



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----- Jones Road Groundwater Plume
Sample Collection Date(s)-- 01/27/20 - 01/30/20
Contact----- Raji Josiam (6SF-RA)
Report Date----- 03/04/20
Project #----- 20SF026
Work Order(s)----- 2001015
2001017
2001021

Analyses included in this report:

Metals ICP CLP (Dissolved)
VOA CLP Low Level

Metals ICP/MS CLP (Dissolved)
VOA CLP Low Level (E)

Report Narrative

Volatiles:

Batch B0B0503: Carbon disulfide is qualified as estimated in sample 2001017-08 due to inconsistent concentrations found between source, MS2 and MSD2. Acetone, where reported, is qualified as estimated due to failure of this analyte in the second source verification for the initial calibration. Acetone is qualified as blank related in several samples due to presence of this analyte in the equipment blanks. Concentrations >10X the blank are not qualified. Three targets fail in BS1, and one fails in BS2 and BS3. Of these failures, one is significant. 2-Hexanone is qualified as estimated in samples analyzed 1/30/20 due to low failure in BS1. The reporting limit (RL) for 2-Hexanone is qualified as UJ only in samples where the detected concentration is close to but below the reporting limit.

Batch B0A3102: Acetone and Chloroethane are qualified as blank related, where reported, due to presence of these analytes in the analysis blanks. Three targets fail in BS2. Acetone is qualified as estimated in sample 2001021-06 due to failure.

Metals ICP:

Batch B0B0401: MS2/MSD2 (Source Sample 2001017-09): Recovery was outside of acceptable limits for iron. The source sample results are four or more times greater than the spike level and

Report Narrative (cont'd)

cannot be reliably verified. The source sample is not qualified.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

The reporting limit (sometimes referred to as a quantitation limit) is defined as the lowest concentration at which an analyte can be reliably measured and reported without qualification. Reporting limits are adjusted for sample size, dilution, and matrix interference. Concentrations below the reporting limit are reported as non-detects or <RL.

For a list of ISO 17025 accredited methods go to:

<http://region6a.epa.gov/intranet/6md/lab/USEPARegion6CertScope-V005.pdf>

Report Approvals:

MARVELYN
HUMPHREY

Digitally signed by MARVELYN
HUMPHREY
Date: 2020.03.04 09:03:34 -06'00'

Richard McMillin
Region 6 Laboratory Technical Manager

DAVID MCQUIDDY

Digitally signed by DAVID
MCQUIDDY
Date: 2020.03.04 09:50:04 -06'00'

David W. McQuiddy
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Jones Road Groundwater Plume

Project Number: 20SF026

Data Management Coordinator: Christy Warren

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
CMT-02-02	2001015-01	Liquid	1/27/20 14:50	01/29/20 09:00
CMT-02-03	2001015-02	Liquid	1/27/20 15:20	01/29/20 09:00
CMT-02-04	2001015-03	Liquid	1/27/20 15:50	01/29/20 09:00
CMT-02-05	2001015-04	Liquid	1/27/20 16:20	01/29/20 09:00
CMT-03-01	2001015-05	Liquid	1/28/20 9:15	01/29/20 09:00
CMT-03-02	2001015-06	Liquid	1/28/20 9:30	01/29/20 09:00
CMT-03-03	2001015-07	Liquid	1/28/20 10:00	01/29/20 09:00
CMT-03-04	2001015-08	Liquid	1/28/20 10:20	01/29/20 09:00
CMT-03-05	2001015-09	Liquid	1/28/20 10:40	01/29/20 09:00
CMT-04-02	2001015-10	Liquid	1/28/20 14:00	01/29/20 09:00
CMT-04-03	2001015-11	Liquid	1/28/20 14:20	01/29/20 09:00
CMT-04-04	2001015-12	Liquid	1/28/20 14:40	01/29/20 09:00
CMT-04-05	2001015-13	Liquid	1/28/20 15:00	01/29/20 09:00
CMT-04-06	2001015-14	Liquid	1/28/20 15:20	01/29/20 09:00
ER-1	2001015-15	Liquid	1/27/20 17:30	01/29/20 09:00
ER-1-F	2001015-16	Liquid	1/27/20 17:30	01/29/20 09:00
ER-2	2001015-17	Liquid	1/28/20 17:00	01/29/20 09:00
ER-2-F	2001015-18	Liquid	1/28/20 17:00	01/29/20 09:00
MW-22-F	2001015-19	Liquid	1/28/20 15:30	01/29/20 09:00
MW-22-F-DUP	2001015-20	Liquid	1/28/20 15:30	01/29/20 09:00
MW-23	2001015-21	Liquid	1/27/20 14:35	01/29/20 09:00
MW-23-F	2001015-22	Liquid	1/27/20 14:35	01/29/20 09:00
MW-24	2001015-23	Liquid	1/28/20 12:00	01/29/20 09:00
MW-24-F	2001015-24	Liquid	1/28/20 12:00	01/29/20 09:00
MW-7	2001015-25	Liquid	1/27/20 16:10	01/29/20 09:00
MW-7-F	2001015-26	Liquid	1/27/20 16:10	01/29/20 09:00
MW-9	2001015-27	Liquid	1/28/20 9:55	01/29/20 09:00
MW-9-F	2001015-28	Liquid	1/28/20 9:55	01/29/20 09:00
TB-1	2001015-29	Liquid	1/27/20 8:00	01/29/20 09:00
CMT-05-01	2001017-01	Liquid	1/29/20 8:40	01/30/20 09:15
CMT-05-02	2001017-02	Liquid	1/29/20 9:00	01/30/20 09:15
CMT-05-03	2001017-03	Liquid	1/29/20 9:20	01/30/20 09:15
CMT-05-04	2001017-04	Liquid	1/29/20 9:40	01/30/20 09:15
CMT-05-05	2001017-05	Liquid	1/29/20 10:00	01/30/20 09:15
CMT-05-06	2001017-06	Liquid	1/29/20 10:20	01/30/20 09:15
ER-3-F	2001017-07	Liquid	1/29/20 17:00	01/30/20 09:15



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
MW-1	2001017-08	Liquid	1/29/20 9:05	01/30/20 09:15
MW-1-F	2001017-09	Liquid	1/29/20 9:05	01/30/20 09:15
MW-2	2001017-10	Liquid	1/29/20 10:35	01/30/20 09:15
MW-20	2001017-11	Liquid	1/29/20 11:55	01/30/20 09:15
MW-20-DUP	2001017-12	Liquid	1/29/20 11:55	01/30/20 09:15
MW-20-F	2001017-13	Liquid	1/29/20 11:55	01/30/20 09:15
MW-22	2001017-14	Liquid	1/28/20 15:30	01/30/20 09:15
MW-22-DUP	2001017-15	Liquid	1/28/20 15:30	01/30/20 09:15
MW-2-DUP	2001017-16	Liquid	1/29/20 10:35	01/30/20 09:15
MW-2-F	2001017-17	Liquid	1/29/20 10:35	01/30/20 09:15
MW-3-F	2001017-18	Liquid	1/29/20 14:05	01/30/20 09:15
MW-3-F-DUP	2001017-19	Liquid	1/29/20 14:05	01/30/20 09:15
MW-4-F	2001017-20	Liquid	1/29/20 15:30	01/30/20 09:15
MW-5-F	2001017-21	Liquid	1/29/20 15:15	01/30/20 09:15
MW-6	2001017-22	Liquid	1/29/20 11:30	01/30/20 09:15
MW-6-DUP	2001017-23	Liquid	1/29/20 11:30	01/30/20 09:15
MW-6-F	2001017-24	Liquid	1/29/20 11:30	01/30/20 09:15
SVE-02	2001017-25	Liquid	1/29/20 10:08	01/30/20 09:15
SVE-10	2001017-26	Liquid	1/29/20 11:25	01/30/20 09:15
TB-2	2001017-27	Liquid	1/28/20 7:30	01/30/20 09:15
CMT-01-01	2001021-01	Liquid	1/30/20 8:30	01/31/20 08:50
CMT-01-02	2001021-02	Liquid	1/30/20 8:50	01/31/20 08:50
CMT-01-04	2001021-03	Liquid	1/30/20 9:10	01/31/20 08:50
CMT-01-05	2001021-04	Liquid	1/30/20 9:30	01/31/20 08:50
CMT-01-06	2001021-05	Liquid	1/30/20 9:50	01/31/20 08:50
ER-3	2001021-06	Liquid	1/29/20 17:00	01/31/20 08:50
ER-4	2001021-07	Liquid	1/30/20 14:25	01/31/20 08:50
MW-26	2001021-08	Liquid	1/30/20 13:45	01/31/20 08:50
MW-3	2001021-09	Liquid	1/29/20 14:05	01/31/20 08:50
MW-4	2001021-10	Liquid	1/29/20 15:30	01/31/20 08:50
MW-4-DUP	2001021-11	Liquid	1/29/20 15:30	01/31/20 08:50
MW-5	2001021-12	Liquid	1/29/20 15:15	01/31/20 08:50
MW-5-DUP	2001021-13	Liquid	1/29/20 15:15	01/31/20 08:50
SVE-01	2001021-14	Liquid	1/30/20 10:15	01/31/20 08:50
SVE-03	2001021-15	Liquid	1/30/20 9:15	01/31/20 08:50
SVE-03-DUP	2001021-16	Liquid	1/30/20 9:15	01/31/20 08:50



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
SVE-04	2001021-17	Liquid	1/30/20 15:15	01/31/20 08:50
SVE-05	2001021-18	Liquid	1/30/20 9:48	01/31/20 08:50
SVE-06	2001021-19	Liquid	1/29/20 17:00	01/31/20 08:50
SVE-07	2001021-20	Liquid	1/30/20 10:55	01/31/20 08:50
SVE-08	2001021-21	Liquid	1/30/20 13:50	01/31/20 08:50
SVE-09	2001021-22	Liquid	1/30/20 11:45	01/31/20 08:50
SVE-09-DUP	2001021-23	Liquid	1/30/20 11:45	01/31/20 08:50
SVE-11	2001021-24	Liquid	1/29/20 14:20	01/31/20 08:50
TB-3	2001021-25	Liquid	1/30/20 7:30	01/31/20 08:50
TB-4	2001021-26	Liquid	1/30/20 8:00	01/31/20 08:50

QC SUMMARY REPORT

Metals ICP CLP (Dissolved)	
B0B0401	
Liquid	
Samples: 17	ReExts: 0
LAB NUMBER	SOURCE
B0B0401-BLK1	
B0B0401-BS1	
B0B0401-MS1	2001015-24
B0B0401-MS2	2001017-09
B0B0401-MSD1	2001015-24
B0B0401-MSD2	2001017-09

Metals ICP/MS CLP (Dissolved)	
B0B0402	
Liquid	
Samples: 17	ReExts: 0
LAB NUMBER	SOURCE
B0B0402-BLK1	
B0B0402-BS1	
B0B0402-MS1	2001015-24
B0B0402-MS2	2001017-09
B0B0402-MSD1	2001015-24
B0B0402-MSD2	2001017-09

VOA CLP Low Level	
B0A3102	
Liquid	
Samples: 26	ReExts: 0
LAB NUMBER	SOURCE
B0A3102-BLK1	
B0A3102-BLK2	
B0A3102-BS1	
B0A3102-BS2	
B0A3102-MS1	2001021-18
B0A3102-MS2	2001021-24
B0A3102-MSD1	2001021-18
B0A3102-MSD2	2001021-24

VOA CLP Low Level (E)	
B0B0503	
Liquid	
Samples: 39	ReExts: 0
LAB NUMBER	SOURCE
B0B0503-BLK1	
B0B0503-BLK2	
B0B0503-BLK3	
B0B0503-BS1	
B0B0503-BS2	
B0B0503-BS3	
B0B0503-MS1	2001015-23
B0B0503-MS2	2001017-08
B0B0503-MSD1	2001015-23
B0B0503-MSD2	2001017-08



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-01

Station ID: CMT-02-02

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	48.2		96.4	86-117	01/30/20	01/30/20
Toluene-d8	47.9		95.9	85-113	"	"
4-Bromofluorobenzene	46.9		93.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-01

Station ID: CMT-02-02

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-02

Station ID: CMT-02-03

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.6		105	86-117	01/30/20	01/30/20
<i>Toluene-d8</i>	50.5		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.8		99.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-02

Station ID: CMT-02-03

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-03

Station ID: CMT-02-04

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	50.3		101	86-117	01/30/20	01/30/20
Toluene-d8	49.9		99.8	85-113	"	"
4-Bromofluorobenzene	49.6		99.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-03

Station ID: CMT-02-04

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-04

Station ID: CMT-02-05

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	52.6		105	86-117	01/30/20	01/30/20
Toluene-d8	50.5		101	85-113	"	"
4-Bromofluorobenzene	50.3		101	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-04

Station ID: CMT-02-05

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	5.4	J	5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-05

Station ID: CMT-03-01

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.4		103	86-117	01/30/20	01/30/20
<i>Toluene-d8</i>	48.1		96.2	85-113	"	"
<i>4-Bromofluorobenzene</i>	47.9		95.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-05

Station ID: CMT-03-01

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-06

Station ID: CMT-03-02

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	51.9		104	86-117	01/30/20	01/30/20
Toluene-d8	48.8		97.7	85-113	"	"
4-Bromofluorobenzene	48.2		96.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-06

Station ID: CMT-03-02

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U	UJ	5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-07

Station ID: CMT-03-03

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	52.9		106	86-117	01/30/20	01/30/20
Toluene-d8	50.0		100	85-113	"	"
4-Bromofluorobenzene	48.9		97.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	8.0	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-07

Station ID: CMT-03-03

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	5.1	J	5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-08

Station ID: CMT-03-04

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.0		104	86-117	01/30/20	01/30/20
<i>Toluene-d8</i>	48.7		97.3	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.5		97.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	11.7	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-08

Station ID: CMT-03-04

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U	UJ	5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-09

Station ID: CMT-03-05

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.9		104	86-117	01/30/20	01/30/20
<i>Toluene-d8</i>	48.4		96.8	85-113	"	"
<i>4-Bromofluorobenzene</i>	47.9		95.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-09

Station ID: CMT-03-05

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-10

Station ID: CMT-04-02

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	50.3		101	86-117	01/30/20	01/30/20
Toluene-d8	47.4		94.8	85-113	"	"
4-Bromofluorobenzene	46.8		93.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-10

Station ID: CMT-04-02

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-11

Station ID: CMT-04-03

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.6		105	86-117	01/30/20	01/30/20
<i>Toluene-d8</i>	49.9		99.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.3		98.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-11

Station ID: CMT-04-03

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-12

Station ID: CMT-04-04

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	50.9		102	86-117	01/30/20	01/30/20
Toluene-d8	47.8		95.6	85-113	"	"
4-Bromofluorobenzene	47.6		95.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-12

Station ID: CMT-04-04

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U	UJ	5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-13

Station ID: CMT-04-05

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	51.6		103	86-117	02/03/20	02/03/20
Toluene-d8	50.8		102	85-113	"	"
4-Bromofluorobenzene	49.4		98.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	21.3	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-13

Station ID: CMT-04-05

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	7.8		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-14

Station ID: CMT-04-06

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.4		103	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	51.0		102	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.7		99.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	15.2	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-14

Station ID: CMT-04-06

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	6.6		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-15

Station ID: ER-1

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.5		105	86-117	01/30/20	01/30/20
<i>Toluene-d8</i>	50.6		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.0		97.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	6.8	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-15

Station ID: ER-1

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-16

Station ID: ER-1-F

Batch: B0B0401

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	U		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	U		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	U		25.0	"	"	"
Magnesium (7439-95-4)	U		150	"	"	"
Manganese (7439-96-5)	U		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	U		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-16

Station ID: ER-1-F

Batch: B0B0402

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-17

Station ID: ER-2

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.8		99.5	86-117	01/30/20	01/30/20
Toluene-d8	48.0		96.0	85-113	"	"
4-Bromofluorobenzene	47.0		94.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	5.5	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-17

Station ID: ER-2

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-18

Station ID: ER-2-F

Batch: B0B0401

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	U		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	U		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	U		25.0	"	"	"
Magnesium (7439-95-4)	U		150	"	"	"
Manganese (7439-96-5)	U		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	U		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-18

Station ID: ER-2-F

Batch: B0B0402

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-19

Station ID: MW-22-F

Batch: B0B0401

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	1,090		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	160,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	1,550		25.0	"	"	"
Magnesium (7439-95-4)	16,900		150	"	"	"
Manganese (7439-96-5)	877		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	2,010		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	73,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-19

Station ID: MW-22-F

Batch: B0B0402

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	41.7		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-20

Station ID: MW-22-F-DUP

Batch: B0B0401

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	3,080		100	1	02/04/20	02/14/20
Barium (7440-39-3)	1,260		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	179,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	4,480		25.0	"	"	"
Magnesium (7439-95-4)	20,800		150	"	"	"
Manganese (7439-96-5)	1,530		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	1,230		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	85,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-20

Station ID: MW-22-F-DUP

Batch: B0B0402

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	77.3		10.0	"	"	"
Lead (7439-92-1)	7.4		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-21

Station ID: MW-23

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	52.3		105	86-117	02/03/20	02/03/20
Toluene-d8	52.6		105	85-113	"	"
4-Bromofluorobenzene	50.4		101	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-21

Station ID: MW-23

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	1.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Region 6 Laboratory
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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-22

Station ID: MW-23-F

Batch: B0B0401

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	102		100	1	02/04/20	02/14/20
Barium (7440-39-3)	816		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	105,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	145		25.0	"	"	"
Magnesium (7439-95-4)	11,400		150	"	"	"
Manganese (7439-96-5)	10.8		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	27,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-22

Station ID: MW-23-F

Batch: B0B0402

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-23

Station ID: MW-24

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.7		99.4	86-117	01/30/20	01/30/20
Toluene-d8	47.4		94.8	85-113	"	"
4-Bromofluorobenzene	46.4		92.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-23

Station ID: MW-24

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-24

Station ID: MW-24-F

Batch: B0B0401

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	329		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	79,900		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	U		25.0	"	"	"
Magnesium (7439-95-4)	8,630		150	"	"	"
Manganese (7439-96-5)	7.0		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	1,360		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	27,300		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-24

Station ID: MW-24-F

Batch: B0B0402

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	6.9		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-25

Station ID: MW-7

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.3		98.7	86-117	02/03/20	02/03/20
Toluene-d8	49.1		98.2	85-113	"	"
4-Bromofluorobenzene	47.5		95.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	5.7	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-25

Station ID: MW-7

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-26

Station ID: MW-7-F

Batch: B0B0401

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	1,010		100	1	02/04/20	02/14/20
Barium (7440-39-3)	1,070		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	119,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	975		25.0	"	"	"
Magnesium (7439-95-4)	10,400		150	"	"	"
Manganese (7439-96-5)	191		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	18,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-26

Station ID: MW-7-F

Batch: B0B0402

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-27

Station ID: MW-9

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	48.4		96.9	86-117	02/03/20	02/03/20
Toluene-d8	48.4		96.7	85-113	"	"
4-Bromofluorobenzene	46.4		92.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	9.2	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-27

Station ID: MW-9

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001015-28

Station ID: MW-9-F

Batch: B0B0401

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	1,130		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	170,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	31.2		25.0	"	"	"
Magnesium (7439-95-4)	15,200		150	"	"	"
Manganese (7439-96-5)	6.6		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	40,300		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001015-28

Station ID: MW-9-F

Batch: B0B0402

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-29

Station ID: TB-1

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	51.1		102	86-117	01/30/20	01/30/20
Toluene-d8	49.3		98.7	85-113	"	"
4-Bromofluorobenzene	47.6		95.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/30/20	01/30/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001015-29

Station ID: TB-1

Batch: B0B0503

Date Collected: 01/27/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/30/20	01/30/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-01

Station ID: CMT-05-01

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.1		102	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	50.5		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.6		97.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	50.3	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-01

Station ID: CMT-05-01

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-02

Station ID: CMT-05-02

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	50.2		100	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	49.2		98.4	85-113	"	"
<i>4-Bromofluorobenzene</i>	47.6		95.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	24.6	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-02

Station ID: CMT-05-02

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-03

Station ID: CMT-05-03

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	50.8		102	86-117	02/03/20	02/03/20
Toluene-d8	49.8		99.6	85-113	"	"
4-Bromofluorobenzene	48.1		96.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	13.4	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-03

Station ID: CMT-05-03

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-04

Station ID: CMT-05-04

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	52.0		104	86-117	02/03/20	02/03/20
Toluene-d8	50.1		100	85-113	"	"
4-Bromofluorobenzene	48.4		96.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	30.4	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-04

Station ID: CMT-05-04

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-05

Station ID: CMT-05-05

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	51.0		102	86-117	02/03/20	02/03/20
Toluene-d8	50.1		100	85-113	"	"
4-Bromofluorobenzene	47.6		95.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	18.3	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-05

Station ID: CMT-05-05

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-06

Station ID: CMT-05-06

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.1		102	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	48.9		97.8	85-113	"	"
<i>4-Bromofluorobenzene</i>	47.6		95.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	59.0	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-06

Station ID: CMT-05-06

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-07

Station ID: ER-3-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	U		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	U		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	U		25.0	"	"	"
Magnesium (7439-95-4)	U		150	"	"	"
Manganese (7439-96-5)	U		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	U		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-07

Station ID: ER-3-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-08

Station ID: MW-1

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	49.8		99.6	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	49.3		98.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.1		96.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	272		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	3.3		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	2.3	J	1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	8.4	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	2.7		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	399		20.0	20	"	02/04/20
Methyl tert-butyl ether (1634-04-4)	U		1.0	1	"	02/04/20
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-08

Station ID: MW-1

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	1.6		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-09

Station ID: MW-1-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	571		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	141,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	19,300		25.0	"	"	"
Magnesium (7439-95-4)	16,300		150	"	"	"
Manganese (7439-96-5)	1,200		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	9,190		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	63,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-09

Station ID: MW-1-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	158		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-10

Station ID: MW-2

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	49.3		98.5	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	48.3		96.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	45.6		91.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	6.0		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	10.4	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	159		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	30.7		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-10

Station ID: MW-2

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	47.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-11

Station ID: MW-20

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.0		102	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	50.4		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	47.4		94.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		10.0	10	02/04/20	02/04/20
Chloromethane (74-87-3)	U		10.0	"	"	"
Vinyl chloride (75-01-4)	647		10.0	"	"	"
Bromomethane (74-83-9)	U		10.0	"	"	"
Chloroethane (75-00-3)	U		10.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		10.0	"	"	"
1,1-Dichloroethene (75-35-4)	13.1		10.0	"	"	"
Carbon disulfide (75-15-0)	U		10.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		10.0	"	"	"
Acetone (67-64-1)	U		50.0	"	"	"
Methylene chloride (75-09-2)	U		20.0	"	"	"
Methyl acetate (79-20-9)	U		10.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	42.8		10.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	6,840		100	100	"	02/04/20
Methyl tert-butyl ether (1634-04-4)	U		10.0	10	"	02/04/20
1,1-Dichloroethane (75-34-3)	U		10.0	"	"	"
2-Butanone (78-93-3)	U		50.0	"	"	"
Chloroform (67-66-3)	U		10.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		10.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		10.0	"	"	"
Cyclohexane (110-82-7)	U		10.0	"	"	"
Carbon tetrachloride (56-23-5)	U		10.0	"	"	"
Benzene (71-43-2)	U		10.0	"	"	"
Trichloroethene (79-01-6)	2,450		10.0	"	"	"
Methylcyclohexane (108-87-2)	U		10.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		10.0	"	"	"
Bromodichloromethane (75-27-4)	U		10.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-11

Station ID: MW-20

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		10.0	10	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		10.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		10.0	"	"	"
Dibromochloromethane (124-48-1)	U		10.0	"	"	"
Bromoform (75-25-2)	U		10.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		50.0	"	"	"
Toluene (108-88-3)	U		10.0	"	"	"
Tetrachloroethene (127-18-4)	4,710		100	100	"	02/04/20
2-Hexanone (591-78-6)	U		50.0	10	"	02/04/20
1,2-Dibromoethane (106-93-4)	U		10.0	"	"	"
Chlorobenzene (108-90-7)	U		10.0	"	"	"
Ethylbenzene (100-41-4)	U		10.0	"	"	"
meta-/para-Xylene (na)	U		20.0	"	"	"
ortho-Xylene (95-47-6)	U		10.0	"	"	"
Styrene (100-42-5)	U		10.0	"	"	"
Isopropylbenzene (98-82-8)	U		10.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		10.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		10.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		10.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		10.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		10.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		10.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-12

Station ID: MW-20-DUP

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.1		102	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	50.0		99.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	46.9		93.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		10.0	10	02/04/20	02/04/20
Chloromethane (74-87-3)	U		10.0	"	"	"
Vinyl chloride (75-01-4)	682		10.0	"	"	"
Bromomethane (74-83-9)	U		10.0	"	"	"
Chloroethane (75-00-3)	U		10.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		10.0	"	"	"
1,1-Dichloroethene (75-35-4)	13.8		10.0	"	"	"
Carbon disulfide (75-15-0)	U		10.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		10.0	"	"	"
Acetone (67-64-1)	U		50.0	"	"	"
Methylene chloride (75-09-2)	U		20.0	"	"	"
Methyl acetate (79-20-9)	U		10.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	44.3		10.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	7,320		100	100	"	02/04/20
Methyl tert-butyl ether (1634-04-4)	U		10.0	10	"	02/04/20
1,1-Dichloroethane (75-34-3)	U		10.0	"	"	"
2-Butanone (78-93-3)	U		50.0	"	"	"
Chloroform (67-66-3)	U		10.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		10.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		10.0	"	"	"
Cyclohexane (110-82-7)	U		10.0	"	"	"
Carbon tetrachloride (56-23-5)	U		10.0	"	"	"
Benzene (71-43-2)	U		10.0	"	"	"
Trichloroethene (79-01-6)	2,820		10.0	"	"	"
Methylcyclohexane (108-87-2)	U		10.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		10.0	"	"	"
Bromodichloromethane (75-27-4)	U		10.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-12

Station ID: MW-20-DUP

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		10.0	10	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		10.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		10.0	"	"	"
Dibromochloromethane (124-48-1)	U		10.0	"	"	"
Bromoform (75-25-2)	U		10.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		50.0	"	"	"
Toluene (108-88-3)	U		10.0	"	"	"
Tetrachloroethene (127-18-4)	5,700		100	100	"	02/04/20
2-Hexanone (591-78-6)	U		50.0	10	"	02/04/20
1,2-Dibromoethane (106-93-4)	U		10.0	"	"	"
Chlorobenzene (108-90-7)	U		10.0	"	"	"
Ethylbenzene (100-41-4)	U		10.0	"	"	"
meta-/para-Xylene (na)	U		20.0	"	"	"
ortho-Xylene (95-47-6)	U		10.0	"	"	"
Styrene (100-42-5)	U		10.0	"	"	"
Isopropylbenzene (98-82-8)	U		10.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		10.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		10.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		10.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		10.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		10.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		10.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-13

Station ID: MW-20-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	29,200		100	1	02/04/20	02/14/20
Barium (7440-39-3)	1,400		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	172,000		150	"	"	"
Chromium (7440-47-3)	39.4		10.0	"	"	"
Cobalt (7440-48-4)	25.9		20.0	"	"	"
Copper (7440-50-8)	39.1		20.0	"	"	"
Iron (7439-89-6)	45,900		25.0	"	"	"
Magnesium (7439-95-4)	31,500		150	"	"	"
Manganese (7439-96-5)	1,460		5.0	"	"	"
Nickel (7440-02-2)	53.2		20.0	"	"	"
Potassium (7440-09-7)	9,360		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	66,000		500	"	"	"
Vanadium (7440-62-2)	82.2		20.0	"	"	"
Zinc (7440-66-6)	89.6		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-13

Station ID: MW-20-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	161		10.0	"	"	"
Lead (7439-92-1)	39.1		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-14

Station ID: MW-22

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	53.0		106	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	52.2		104	85-113	"	"
<i>4-Bromofluorobenzene</i>	50.2		100	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	60.3		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.9		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	7.0	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	3.9		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	166		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	11.8		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	1.4		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-14

Station ID: MW-22

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	2.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-15

Station ID: MW-22-DUP

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.1		102	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	51.6		103	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.4		98.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	58.1		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	9.4	FB, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	3.8		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	156		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	11.6		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	1.4		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-15

Station ID: MW-22-DUP

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	2.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-16

Station ID: MW-2-DUP

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.2		104	86-117	02/04/20	02/04/20
<i>Toluene-d8</i>	52.0		104	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.4		98.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	4.6		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	107		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	21.4		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-16

Station ID: MW-2-DUP

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	34.7		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-17

Station ID: MW-2-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	423		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	105,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	4,060		25.0	"	"	"
Magnesium (7439-95-4)	11,400		150	"	"	"
Manganese (7439-96-5)	696		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	4,280		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	87,400		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-17

Station ID: MW-2-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	25.5		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-18

Station ID: MW-3-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	280		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	99,200		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	U		25.0	"	"	"
Magnesium (7439-95-4)	10,700		150	"	"	"
Manganese (7439-96-5)	8.4		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	7,440		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	55,300		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	93.6		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-18

Station ID: MW-3-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-19

Station ID: MW-3-F-DUP

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	276		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	95,900		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	U		25.0	"	"	"
Magnesium (7439-95-4)	10,300		150	"	"	"
Manganese (7439-96-5)	8.6		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	7,180		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	53,200		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	90.3		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-19

Station ID: MW-3-F-DUP

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-20

Station ID: MW-4-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	289		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	114,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	270		25.0	"	"	"
Magnesium (7439-95-4)	12,000		150	"	"	"
Manganese (7439-96-5)	69.3		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	11,000		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	185,000		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	66.0		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-20

Station ID: MW-4-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	26.8		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-21

Station ID: MW-5-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	439		100	1	02/04/20	02/14/20
Barium (7440-39-3)	560		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	158,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	385		25.0	"	"	"
Magnesium (7439-95-4)	22,500		150	"	"	"
Manganese (7439-96-5)	20.6		5.0	"	"	"
Nickel (7440-02-2)	26.7		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	80,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-21

Station ID: MW-5-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	U		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-22

Station ID: MW-6

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	54.5		109	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	49.9		99.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.3		96.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	330		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	9.4	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	10.5		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1,140		10.0	10	"	02/03/20
Methyl tert-butyl ether (1634-04-4)	4.2		1.0	1	"	02/03/20
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	1.0		1.0	"	"	"
Trichloroethene (79-01-6)	2.0		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-22

Station ID: MW-6

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-23

Station ID: MW-6-DUP

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.4		105	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	47.8		95.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	46.4		92.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	282		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	10.2	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	9.4		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	997		10.0	10	"	02/03/20
Methyl tert-butyl ether (1634-04-4)	4.1		1.0	1	"	02/03/20
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	2.1		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-23

Station ID: MW-6-DUP

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Metals (Dissolved) by CLP ILM05.3 - ICP

Lab ID: 2001017-24

Station ID: MW-6-F

Batch: B0B0401

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	02/04/20	02/14/20
Barium (7440-39-3)	907		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	126,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	1,950		25.0	"	"	"
Magnesium (7439-95-4)	13,500		150	"	"	"
Manganese (7439-96-5)	969		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	4,470		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	88,300		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	26.9		20.0	"	"	"



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Metals (Dissolved) by CLP ILM05.3 - ICP/MS

Lab ID: 2001017-24

Station ID: MW-6-F

Batch: B0B0402

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		5.0	5	02/04/20	02/12/20
Arsenic (7440-38-2)	40.6		10.0	"	"	"
Lead (7439-92-1)	U		5.0	"	"	"
Selenium (7782-49-2)	U		25.0	"	"	"
Thallium (7440-28-0)	U		5.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-25

Station ID: SVE-02

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	49.6		99.3	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	49.0		98.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	47.1		94.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	8.8	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	16.8		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	6.2		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-25

Station ID: SVE-02

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	111		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-26

Station ID: SVE-10

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	52.3		105	86-117	02/04/20	02/04/20
Toluene-d8	51.0		102	85-113	"	"
4-Bromofluorobenzene	48.8		97.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	6.5	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	14.3		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	7.1		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-26

Station ID: SVE-10

Batch: B0B0503

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	91.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-27

Station ID: TB-2

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.9		99.8	86-117	02/04/20	02/04/20
Toluene-d8	49.4		98.8	85-113	"	"
4-Bromofluorobenzene	46.8		93.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/04/20	02/04/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001017-27

Station ID: TB-2

Batch: B0B0503

Date Collected: 01/28/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/04/20	02/04/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-01

Station ID: CMT-01-01

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.06		90.6	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	9.38		93.8	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.33		93.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.2	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	6.8		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-01

Station ID: CMT-01-01

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	5.3		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-02

Station ID: CMT-01-02

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.32		93.2	86-117	01/31/20	01/31/20
Toluene-d8	9.51		95.1	85-113	"	"
4-Bromofluorobenzene	9.75		97.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.2	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.2		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-02

Station ID: CMT-01-02

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	4.2		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-03

Station ID: CMT-01-04

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.25		92.5	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.19		91.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.67		86.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.6	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	3.9		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-03

Station ID: CMT-01-04

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	10.6		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-04

Station ID: CMT-01-05

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.51		95.1	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	9.82		98.2	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.81		98.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.7	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.2		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-04

Station ID: CMT-01-05

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	3.4		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-05

Station ID: CMT-01-06

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.2		102	86-117	02/03/20	02/03/20
Toluene-d8	9.67		96.7	85-113	"	"
4-Bromofluorobenzene	8.69		86.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	2.0	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.3		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-05

Station ID: CMT-01-06

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	7.3		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-06

Station ID: ER-3

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.36		93.6	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	8.90		89.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.36		83.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.7	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	8.2	B, J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-06

Station ID: ER-3

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-07

Station ID: ER-4

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.63		96.3	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	9.30		93.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.20		92.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.4	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	9.2	B	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-07

Station ID: ER-4

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-08

Station ID: MW-26

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.66		96.6	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	9.65		96.5	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.44		94.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	14.8		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	8.9		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-08

Station ID: MW-26

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	105		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-09

Station ID: MW-3

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	8.91		89.1	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	9.20		92.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.95		89.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	68.9		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	9.6		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-09

Station ID: MW-3

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	8.2		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-10

Station ID: MW-4

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.38		93.8	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.17		91.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.50		95.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.6	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-10

Station ID: MW-4

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-11

Station ID: MW-4-DUP

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.73		97.3	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	9.28		92.8	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.56		95.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.6	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-11

Station ID: MW-4-DUP

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-12

Station ID: MW-5

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.1		101	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.76		97.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.95		89.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.7	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-12

Station ID: MW-5

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-13

Station ID: MW-5-DUP

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.0		100	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.56		95.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.78		87.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.7	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-13

Station ID: MW-5-DUP

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-14

Station ID: SVE-01

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.1		101	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	10.1		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.66		96.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	2.7		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



Environmental Protection Agency
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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-14

Station ID: SVE-01

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	68.0		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-15

Station ID: SVE-03

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	8.77		87.7	86-117	01/31/20	01/31/20
<i>Toluene-d8</i>	8.69		86.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.87		88.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	01/31/20	01/31/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.6	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.5		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	2.6		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-15

Station ID: SVE-03

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	01/31/20	01/31/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	60.2		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-16

Station ID: SVE-03-DUP

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.0		100	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.51		95.1	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.64		86.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.7		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	3.3		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-16

Station ID: SVE-03-DUP

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	79.2		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-17

Station ID: SVE-04

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.1		101	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.36		93.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.69		86.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	12.5		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	4.3		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-17

Station ID: SVE-04

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	56.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-18

Station ID: SVE-05

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.95		99.5	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.93		99.3	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.46		94.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.6	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	18.8		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	10.5		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-18

Station ID: SVE-05

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	163		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-19

Station ID: SVE-06

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.77		97.7	86-117	02/03/20	02/03/20
Toluene-d8	9.21		92.1	85-113	"	"
4-Bromofluorobenzene	8.13		81.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	3.2		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	1.7		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-19

Station ID: SVE-06

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	24.8		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-20

Station ID: SVE-07

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.74		97.4	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.29		92.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.86		88.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.9	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	4.8		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	3.4		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-20

Station ID: SVE-07

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	53.1		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-21

Station ID: SVE-08

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.4		104	86-117	02/03/20	02/03/20
Toluene-d8	9.71		97.1	85-113	"	"
4-Bromofluorobenzene	9.31		93.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	4.3		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	7.2		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-21

Station ID: SVE-08

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	152		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-22

Station ID: SVE-09

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.88		98.8	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.91		99.1	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.51		95.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	14.0		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	8.2		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-22

Station ID: SVE-09

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	94.9		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-23

Station ID: SVE-09-DUP

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.14		91.4	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.00		90.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.23		82.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.9	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	14.3		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	8.5		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-23

Station ID: SVE-09-DUP

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	102		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-24

Station ID: SVE-11

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.49		94.9	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.64		96.4	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.18		91.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	5.0		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	3.0		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-24

Station ID: SVE-11

Batch: B0A3102

Date Collected: 01/29/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	47.6		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-25

Station ID: TB-3

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.58		95.8	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.36		93.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.65		86.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-25

Station ID: TB-3

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-26

Station ID: TB-4

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.4		104	86-117	02/03/20	02/03/20
<i>Toluene-d8</i>	9.85		98.5	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.16		91.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/03/20	02/03/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.8	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2001021-26

Station ID: TB-4

Batch: B0A3102

Date Collected: 01/30/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	02/03/20	02/03/20
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Blank (B0A3102-BLK1)

Prepared: 1/31/2020 Analyzed: 1/31/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	9.18		10.0	91.8	86-117
<i>Toluene-d8</i>	9.20		10.0	92.0	85-113
<i>4-Bromofluorobenzene</i>	8.87		10.0	88.7	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	1.6		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Blank (B0A3102-BLK1)

Prepared: 1/31/2020 Analyzed: 1/31/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Blank (B0A3102-BLK2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	9.98		10.0	99.8	86-117
<i>Toluene-d8</i>	9.97		10.0	99.7	85-113
<i>4-Bromofluorobenzene</i>	9.58		10.0	95.8	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	1.6		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0



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Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Blank (B0A3102-BLK2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

LCS (B0A3102-BS1)

Prepared: 1/31/2020 Analyzed: 1/31/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	8.99		10.0	89.9	86-117
<i>Toluene-d8</i>	9.45		10.0	94.5	85-113
<i>4-Bromofluorobenzene</i>	9.54		10.0	95.4	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	10.3		1.0	10.0	103	69-132
Chloromethane	9.1		1.0	10.0	90.8	73-130
Vinyl chloride	9.1		1.0	10.0	90.6	76-130
Bromomethane	9.3		1.0	10.0	92.7	75-129
Chloroethane	9.3		1.0	10.0	93.1	75-121
Trichlorofluoromethane	9.9		1.0	10.0	98.8	79-130
1,1-Dichloroethene	9.9		1.0	10.0	98.7	76-127
Carbon disulfide	9.6		1.0	10.0	95.6	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7		1.0	10.0	97.3	79-126
Acetone	9.8		5.0	10.0	97.8	44-140
Methylene chloride	10.1		2.0	10.0	101	79-122
Methyl acetate	9.2		1.0	10.0	92.3	78-118
trans-1,2-Dichloroethene	9.5		1.0	10.0	94.9	78-123
cis-1,2-Dichloroethene	9.3		1.0	10.0	92.8	80-120
Methyl tert-butyl ether	9.7		1.0	10.0	96.6	78-124
1,1-Dichloroethane	8.9		1.0	10.0	88.6	80-122
2-Butanone	10.2		5.0	10.0	102	71-127
Chloroform	9.2		1.0	10.0	91.6	81-121
1,2-Dichloroethane	9.8		1.0	10.0	98.5	80-121
1,1,1-Trichloroethane	9.1		1.0	10.0	91.2	80-120
Cyclohexane	10.0		1.0	10.0	99.8	77-120
Carbon tetrachloride	9.4		1.0	10.0	94.5	78-121
Benzene	9.2		1.0	10.0	91.7	81-119
Trichloroethene	9.3		1.0	10.0	92.7	80-120
Methylcyclohexane	9.4		1.0	10.0	94.3	79-122



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

LCS (B0A3102-BS1)

Prepared: 1/31/2020 Analyzed: 1/31/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
1,2-Dichloropropane	9.5		1.0	10.0	95.0	81-121
Bromodichloromethane	9.9		1.0	10.0	99.1	80-121
cis-1,3-Dichloropropene	9.5		1.0	10.0	95.0	79-119
trans-1,3-Dichloropropene	10.1		1.0	10.0	101	78-119
1,1,2-Trichloroethane	9.4		1.0	10.0	94.1	80-120
Dibromochloromethane	9.8		1.0	10.0	98.2	80-118
Bromoform	10.0		1.0	10.0	99.5	79-119
4-Methyl-2-pentanone	9.6		5.0	10.0	95.6	77-121
Toluene	9.4		1.0	10.0	93.8	81-118
Tetrachloroethene	9.4		1.0	10.0	94.4	80-120
2-Hexanone	9.8		5.0	10.0	97.9	77-122
1,2-Dibromoethane	9.9		1.0	10.0	99.1	81-118
Chlorobenzene	9.5		1.0	10.0	95.1	81-118
Ethylbenzene	9.4		1.0	10.0	94.4	80-118
meta-/para-Xylene	18.6		2.0	20.0	93.2	81-117
ortho-Xylene	9.4		1.0	10.0	93.6	81-118
Styrene	9.6		1.0	10.0	96.2	79-118
Isopropylbenzene	9.2		1.0	10.0	92.2	74-124
1,1,2,2-Tetrachloroethane	9.6		1.0	10.0	95.8	79-119
1,3-Dichlorobenzene	9.7		1.0	10.0	96.9	81-118
1,4-Dichlorobenzene	9.4		1.0	10.0	93.5	80-117
1,2-Dichlorobenzene	9.7		1.0	10.0	96.9	79-119
1,2-Dibromo-3-chloropropane	9.2		1.0	10.0	92.2	77-123
1,2,4-Trichlorobenzene	9.8		1.0	10.0	98.1	78-128



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

LCS (B0A3102-BS2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	9.84		10.0	98.4	86-117
<i>Toluene-d8</i>	10.0		10.0	100	85-113
<i>4-Bromofluorobenzene</i>	9.64		10.0	96.4	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
Dichlorodifluoromethane	13.7		1.0	10.0	137 #	69-132
Chloromethane	10.8		1.0	10.0	108	73-130
Vinyl chloride	11.6		1.0	10.0	116	76-130
Bromomethane	10.5		1.0	10.0	105	75-129
Chloroethane	10.8		1.0	10.0	108	75-121
Trichlorofluoromethane	12.4		1.0	10.0	124	79-130
1,1-Dichloroethene	11.1		1.0	10.0	111	76-127
Carbon disulfide	11.0		1.0	10.0	110	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	12.1		1.0	10.0	121	79-126
Acetone	14.4		5.0	10.0	144 #	44-140
Methylene chloride	10.0		2.0	10.0	99.7	79-122
Methyl acetate	10.6		1.0	10.0	106	78-118
trans-1,2-Dichloroethene	10.7		1.0	10.0	107	78-123
cis-1,2-Dichloroethene	10.7		1.0	10.0	107	80-120
Methyl tert-butyl ether	9.9		1.0	10.0	99.2	78-124
1,1-Dichloroethane	10.4		1.0	10.0	104	80-122
2-Butanone	12.2		5.0	10.0	122	71-127
Chloroform	10.1		1.0	10.0	101	81-121
1,2-Dichloroethane	10.1		1.0	10.0	101	80-121
1,1,1-Trichloroethane	11.4		1.0	10.0	114	80-120
Cyclohexane	12.7		1.0	10.0	127 #	77-120
Carbon tetrachloride	10.9		1.0	10.0	109	78-121
Benzene	10.5		1.0	10.0	105	81-119
Trichloroethene	10.9		1.0	10.0	109	80-120
Methylcyclohexane	11.8		1.0	10.0	118	79-122



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

LCS (B0A3102-BS2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
1,2-Dichloropropane	10.6		1.0	10.0	106	81-121
Bromodichloromethane	10.4		1.0	10.0	104	80-121
cis-1,3-Dichloropropene	10.5		1.0	10.0	105	79-119
trans-1,3-Dichloropropene	10.1		1.0	10.0	101	78-119
1,1,2-Trichloroethane	10.2		1.0	10.0	102	80-120
Dibromochloromethane	9.7		1.0	10.0	97.1	80-118
Bromoform	10.0		1.0	10.0	99.6	79-119
4-Methyl-2-pentanone	9.7		5.0	10.0	96.8	77-121
Toluene	10.3		1.0	10.0	103	81-118
Tetrachloroethene	10.6		1.0	10.0	106	80-120
2-Hexanone	10.5		5.0	10.0	105	77-122
1,2-Dibromoethane	10.1		1.0	10.0	101	81-118
Chlorobenzene	10.2		1.0	10.0	102	81-118
Ethylbenzene	10.5		1.0	10.0	105	80-118
meta-/para-Xylene	20.3		2.0	20.0	101	81-117
ortho-Xylene	10.4		1.0	10.0	104	81-118
Styrene	10.1		1.0	10.0	101	79-118
Isopropylbenzene	10.4		1.0	10.0	104	74-124
1,1,2,2-Tetrachloroethane	10.4		1.0	10.0	104	79-119
1,3-Dichlorobenzene	10.4		1.0	10.0	104	81-118
1,4-Dichlorobenzene	10.1		1.0	10.0	101	80-117
1,2-Dichlorobenzene	10.2		1.0	10.0	102	79-119
1,2-Dibromo-3-chloropropane	10.5		1.0	10.0	105	77-123
1,2,4-Trichlorobenzene	10.2		1.0	10.0	102	78-128



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Matrix Spike (B0A3102-MS1)

Source: 2001021-18

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	10.4		10.0	104	86-117
Toluene-d8	9.73		10.0	97.3	85-113
4-Bromofluorobenzene	9.29		10.0	92.9	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
1,1-Dichloroethene	10.0		1.0	10.0		100	72-134
Benzene	10.6		1.0	10.0		106	79-122
Trichloroethene	19.7		1.0	10.0	10.5	91.8	79-126
Toluene	10.5		1.0	10.0		105	81-122
Chlorobenzene	10.5		1.0	10.0		105	82-121



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Matrix Spike Dup (B0A3102-MSD1)

Source: 2001021-18

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	9.08		10.0	90.8	86-117
Toluene-d8	9.06		10.0	90.6	85-113
4-Bromofluorobenzene	9.14		10.0	91.4	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
1,1-Dichloroethene	9.2		1.0	10.0		92.5	72-134	7.79	21
Benzene	9.9		1.0	10.0		99.4	79-122	6.52	16
Trichloroethene	19.0		1.0	10.0	10.5	85.5	79-126	7.11	14
Toluene	9.5		1.0	10.0		95.2	81-122	9.79	13
Chlorobenzene	9.8		1.0	10.0		98.2	82-121	7.07	10



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Matrix Spike (B0A3102-MS2)

Source: 2001021-24

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	9.96		10.0	99.6	86-117
Toluene-d8	10.0		10.0	100	85-113
4-Bromofluorobenzene	9.26		10.0	92.6	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
1,1-Dichloroethene	9.4		1.0	10.0		94.5	72-134
Benzene	9.8		1.0	10.0		97.6	79-122
Trichloroethene	13.0		1.0	10.0	3.0	99.7	79-126
Toluene	10.4		1.0	10.0		104	81-122
Chlorobenzene	10.8		1.0	10.0		108	82-121



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0A3102

Sample Type: Liquid

Matrix Spike Dup (B0A3102-MSD2)

Source: 2001021-24

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	9.37		10.0	93.7	86-117
Toluene-d8	9.40		10.0	94.0	85-113
4-Bromofluorobenzene	9.34		10.0	93.4	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
1,1-Dichloroethene	9.7		1.0	10.0		97.1	72-134	2.71	21
Benzene	9.5		1.0	10.0		95.1	79-122	2.59	16
Trichloroethene	12.6		1.0	10.0	3.0	96.4	79-126	3.37	14
Toluene	9.8		1.0	10.0		98.4	81-122	5.24	13
Chlorobenzene	10.0		1.0	10.0		99.7	82-121	7.71	10

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK1)

Prepared: 1/30/2020 Analyzed: 1/30/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	50.6		50.0	101	86-117
Toluene-d8	48.8		50.0	97.6	85-113
4-Bromofluorobenzene	47.1		50.0	94.2	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK1)

Prepared: 1/30/2020 Analyzed: 1/30/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK1)

Prepared: 1/30/2020 Analyzed: 1/30/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	49.6		50.0	99.2	86-117
<i>Toluene-d8</i>	49.5		50.0	99.0	85-113
<i>4-Bromofluorobenzene</i>	48.3		50.0	96.7	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK3)

Prepared: 2/4/2020 Analyzed: 2/4/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	50.5		50.0	101	86-117
<i>Toluene-d8</i>	47.8		50.0	95.7	85-113
<i>4-Bromofluorobenzene</i>	46.7		50.0	93.5	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Blank (B0B0503-BLK3)

Prepared: 2/4/2020 Analyzed: 2/4/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

LCS (B0B0503-BS1)

Prepared: 1/30/2020 Analyzed: 1/30/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	50.2		50.0	100	86-117
<i>Toluene-d8</i>	49.7		50.0	99.3	85-113
<i>4-Bromofluorobenzene</i>	49.5		50.0	99.1	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	73.7		1.0	50.0	147 #	69-132
Chloromethane	56.8		1.0	50.0	114	73-130
Vinyl chloride	54.6		1.0	50.0	109	76-130
Bromomethane	53.2		1.0	50.0	106	75-129
Chloroethane	53.6		1.0	50.0	107	75-121
Trichlorofluoromethane	52.4		1.0	50.0	105	79-130
1,1-Dichloroethene	55.3		1.0	50.0	111	76-127
Carbon disulfide	52.6		1.0	50.0	105	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	53.4		1.0	50.0	107	79-126
Acetone	26.1		5.0	50.0	52.2	44-140
Methylene chloride	51.2		2.0	50.0	102	79-122
Methyl acetate	46.5		1.0	50.0	93.1	78-118
trans-1,2-Dichloroethene	53.7		1.0	50.0	107	78-123
cis-1,2-Dichloroethene	49.5		1.0	50.0	99.0	80-120
Methyl tert-butyl ether	48.0		1.0	50.0	96.1	78-124
1,1-Dichloroethane	51.7		1.0	50.0	103	80-122
2-Butanone	33.6		5.0	50.0	67.3 #	71-127
Chloroform	49.9		1.0	50.0	99.7	81-121
1,2-Dichloroethane	49.7		1.0	50.0	99.3	80-121
1,1,1-Trichloroethane	49.0		1.0	50.0	97.9	80-120
Cyclohexane	50.3		1.0	50.0	101	77-120
Carbon tetrachloride	49.1		1.0	50.0	98.1	78-121
Benzene	49.3		1.0	50.0	98.6	81-119
Trichloroethene	50.5		1.0	50.0	101	80-120
Methylcyclohexane	48.0		1.0	50.0	96.1	79-122



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

LCS (B0B0503-BS1)

Prepared: 1/30/2020 Analyzed: 1/30/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
1,2-Dichloropropane	48.8		1.0	50.0	97.6	81-121
Bromodichloromethane	47.0		1.0	50.0	94.1	80-121
cis-1,3-Dichloropropene	49.1		1.0	50.0	98.2	79-119
trans-1,3-Dichloropropene	50.1		1.0	50.0	100	78-119
1,1,2-Trichloroethane	46.7		1.0	50.0	93.3	80-120
Dibromochloromethane	47.4		1.0	50.0	94.8	80-118
Bromoform	47.0		1.0	50.0	94.1	79-119
4-Methyl-2-pentanone	44.0		5.0	50.0	88.0	77-121
Toluene	49.8		1.0	50.0	99.5	81-118
Tetrachloroethene	49.5		1.0	50.0	99.0	80-120
2-Hexanone	34.9		5.0	50.0	69.8 #	77-122
1,2-Dibromoethane	47.4		1.0	50.0	94.8	81-118
Chlorobenzene	48.9		1.0	50.0	97.7	81-118
Ethylbenzene	48.3		1.0	50.0	96.6	80-118
meta-/para-Xylene	97.6		2.0	100	97.6	81-117
ortho-Xylene	47.6		1.0	50.0	95.2	81-118
Styrene	48.3		1.0	50.0	96.6	79-118
Isopropylbenzene	46.9		1.0	50.0	93.7	74-124
1,1,2,2-Tetrachloroethane	47.2		1.0	50.0	94.5	79-119
1,3-Dichlorobenzene	46.7		1.0	50.0	93.3	81-118
1,4-Dichlorobenzene	47.3		1.0	50.0	94.6	80-117
1,2-Dichlorobenzene	47.0		1.0	50.0	94.1	79-119
1,2-Dibromo-3-chloropropane	44.5		1.0	50.0	89.0	77-123
1,2,4-Trichlorobenzene	47.8		1.0	50.0	95.6	78-128



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

LCS (B0B0503-BS2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	49.7		50.0	99.4	86-117
<i>Toluene-d8</i>	49.9		50.0	99.8	85-113
<i>4-Bromofluorobenzene</i>	49.9		50.0	99.7	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
Dichlorodifluoromethane	75.2		1.0	50.0	150 #	69-132
Chloromethane	61.4		1.0	50.0	123	73-130
Vinyl chloride	57.1		1.0	50.0	114	76-130
Bromomethane	63.2		1.0	50.0	126	75-129
Chloroethane	50.5		1.0	50.0	101	75-121
Trichlorofluoromethane	53.1		1.0	50.0	106	79-130
1,1-Dichloroethene	57.0		1.0	50.0	114	76-127
Carbon disulfide	53.0		1.0	50.0	106	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	54.2		1.0	50.0	108	79-126
Acetone	51.2		5.0	50.0	102	44-140
Methylene chloride	52.4		2.0	50.0	105	79-122
Methyl acetate	50.7		1.0	50.0	101	78-118
trans-1,2-Dichloroethene	54.6		1.0	50.0	109	78-123
cis-1,2-Dichloroethene	51.7		1.0	50.0	103	80-120
Methyl tert-butyl ether	50.1		1.0	50.0	100	78-124
1,1-Dichloroethane	52.2		1.0	50.0	104	80-122
2-Butanone	54.0		5.0	50.0	108	71-127
Chloroform	50.8		1.0	50.0	102	81-121
1,2-Dichloroethane	50.8		1.0	50.0	102	80-121
1,1,1-Trichloroethane	51.6		1.0	50.0	103	80-120
Cyclohexane	52.3		1.0	50.0	105	77-120
Carbon tetrachloride	51.5		1.0	50.0	103	78-121
Benzene	51.3		1.0	50.0	103	81-119
Trichloroethene	52.8		1.0	50.0	106	80-120
Methylcyclohexane	50.3		1.0	50.0	101	79-122



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

LCS (B0B0503-BS2)

Prepared: 2/3/2020 Analyzed: 2/3/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dichloropropane	49.9		1.0	50.0	99.8	81-121
Bromodichloromethane	49.9		1.0	50.0	99.8	80-121
cis-1,3-Dichloropropene	51.6		1.0	50.0	103	79-119
trans-1,3-Dichloropropene	52.2		1.0	50.0	104	78-119
1,1,2-Trichloroethane	50.2		1.0	50.0	100	80-120
Dibromochloromethane	50.5		1.0	50.0	101	80-118
Bromoform	50.9		1.0	50.0	102	79-119
4-Methyl-2-pentanone	53.8		5.0	50.0	108	77-121
Toluene	52.1		1.0	50.0	104	81-118
Tetrachloroethene	51.3		1.0	50.0	103	80-120
2-Hexanone	53.9		5.0	50.0	108	77-122
1,2-Dibromoethane	50.3		1.0	50.0	101	81-118
Chlorobenzene	51.0		1.0	50.0	102	81-118
Ethylbenzene	49.9		1.0	50.0	99.8	80-118
meta-/para-Xylene	102		2.0	100	102	81-117
ortho-Xylene	49.5		1.0	50.0	99.1	81-118
Styrene	50.4		1.0	50.0	101	79-118
Isopropylbenzene	49.0		1.0	50.0	97.9	74-124
1,1,2,2-Tetrachloroethane	51.0		1.0	50.0	102	79-119
1,3-Dichlorobenzene	49.7		1.0	50.0	99.4	81-118
1,4-Dichlorobenzene	49.5		1.0	50.0	99.0	80-117
1,2-Dichlorobenzene	49.7		1.0	50.0	99.4	79-119
1,2-Dibromo-3-chloropropane	50.3		1.0	50.0	101	77-123
1,2,4-Trichlorobenzene	50.7		1.0	50.0	101	78-128



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

LCS (B0B0503-BS3)

Prepared: 2/4/2020 Analyzed: 2/4/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	51.3		50.0	103	86-117
<i>Toluene-d8</i>	52.6		50.0	105	85-113
<i>4-Bromofluorobenzene</i>	51.4		50.0	103	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	74.2		1.0	50.0	148 #	69-132
Chloromethane	64.9		1.0	50.0	130	73-130
Vinyl chloride	55.9		1.0	50.0	112	76-130
Bromomethane	58.2		1.0	50.0	116	75-129
Chloroethane	56.2		1.0	50.0	112	75-121
Trichlorofluoromethane	52.8		1.0	50.0	106	79-130
1,1-Dichloroethene	57.2		1.0	50.0	114	76-127
Carbon disulfide	53.0		1.0	50.0	106	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	53.9		1.0	50.0	108	79-126
Acetone	50.3		5.0	50.0	101	44-140
Methylene chloride	51.2		2.0	50.0	102	79-122
Methyl acetate	49.2		1.0	50.0	98.4	78-118
trans-1,2-Dichloroethene	54.4		1.0	50.0	109	78-123
cis-1,2-Dichloroethene	50.1		1.0	50.0	100	80-120
Methyl tert-butyl ether	48.4		1.0	50.0	96.7	78-124
1,1-Dichloroethane	52.4		1.0	50.0	105	80-122
2-Butanone	51.9		5.0	50.0	104	71-127
Chloroform	50.2		1.0	50.0	100	81-121
1,2-Dichloroethane	48.8		1.0	50.0	97.6	80-121
1,1,1-Trichloroethane	49.9		1.0	50.0	99.7	80-120
Cyclohexane	51.1		1.0	50.0	102	77-120
Carbon tetrachloride	51.1		1.0	50.0	102	78-121
Benzene	50.3		1.0	50.0	101	81-119
Trichloroethene	51.8		1.0	50.0	104	80-120
Methylcyclohexane	48.8		1.0	50.0	97.7	79-122



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

LCS (B0B0503-BS3)

Prepared: 2/4/2020 Analyzed: 2/4/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
1,2-Dichloropropane	48.5		1.0	50.0	97.0	81-121
Bromodichloromethane	47.2		1.0	50.0	94.4	80-121
cis-1,3-Dichloropropene	49.5		1.0	50.0	98.9	79-119
trans-1,3-Dichloropropene	50.4		1.0	50.0	101	78-119
1,1,2-Trichloroethane	46.8		1.0	50.0	93.7	80-120
Dibromochloromethane	48.0		1.0	50.0	96.1	80-118
Bromoform	49.0		1.0	50.0	97.9	79-119
4-Methyl-2-pentanone	50.7		5.0	50.0	101	77-121
Toluene	50.8		1.0	50.0	102	81-118
Tetrachloroethene	50.1		1.0	50.0	100	80-120
2-Hexanone	50.7		5.0	50.0	101	77-122
1,2-Dibromoethane	47.6		1.0	50.0	95.2	81-118
Chlorobenzene	49.5		1.0	50.0	99.0	81-118
Ethylbenzene	49.2		1.0	50.0	98.4	80-118
meta-/para-Xylene	99.2		2.0	100	99.2	81-117
ortho-Xylene	47.8		1.0	50.0	95.7	81-118
Styrene	49.0		1.0	50.0	97.9	79-118
Isopropylbenzene	47.4		1.0	50.0	94.7	74-124
1,1,2,2-Tetrachloroethane	49.0		1.0	50.0	98.0	79-119
1,3-Dichlorobenzene	47.1		1.0	50.0	94.2	81-118
1,4-Dichlorobenzene	46.9		1.0	50.0	93.8	80-117
1,2-Dichlorobenzene	47.2		1.0	50.0	94.4	79-119
1,2-Dibromo-3-chloropropane	48.8		1.0	50.0	97.5	77-123
1,2,4-Trichlorobenzene	48.0		1.0	50.0	95.9	78-128



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Matrix Spike (B0B0503-MS1)

Source: 2001015-23

Prepared: 1/30/2020 Analyzed: 1/30/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	52.3		50.0	105	86-117
Toluene-d8	48.4		50.0	96.8	85-113
4-Bromofluorobenzene	47.9		50.0	95.8	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
1,1-Dichloroethene	51.0		1.0	50.0		102	72-134
Benzene	45.3		1.0	50.0		90.6	79-122
Trichloroethene	46.1		1.0	50.0		92.2	79-126
Toluene	45.9		1.0	50.0		91.8	81-122
Chlorobenzene	46.2		1.0	50.0		92.4	82-121



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Matrix Spike Dup (B0B0503-MSD1)

Source: 2001015-23

Prepared: 1/30/2020 Analyzed: 1/30/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	51.3		50.0	103	86-117
Toluene-d8	48.8		50.0	97.5	85-113
4-Bromofluorobenzene	47.9		50.0	95.8	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
1,1-Dichloroethene	51.3		1.0	50.0		103	72-134	0.53	21
Benzene	47.2		1.0	50.0		94.4	79-122	4.11	16
Trichloroethene	47.3		1.0	50.0		94.6	79-126	2.55	14
Toluene	47.8		1.0	50.0		95.6	81-122	4.06	13
Chlorobenzene	48.2		1.0	50.0		96.4	82-121	4.20	10



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Matrix Spike (B0B0503-MS2)

Source: 2001017-08

Prepared: 2/4/2020 Analyzed: 2/4/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	50.9		50.0	102	86-117
<i>Toluene-d8</i>	49.2		50.0	98.4	85-113
<i>4-Bromofluorobenzene</i>	48.4		50.0	96.8	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
1,1-Dichloroethene	55.3		1.0	50.0	0.6	109	72-134
Benzene	51.0		1.0	50.0	0.6	101	79-122
Trichloroethene	53.0		1.0	50.0	0.8	104	79-126
Toluene	53.2		1.0	50.0	1.6	103	81-122
Chlorobenzene	51.8		1.0	50.0	0.6	102	82-121



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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0503

Sample Type: Liquid

Matrix Spike Dup (B0B0503-MSD2)

Source: 2001017-08

Prepared: 2/4/2020 Analyzed: 2/4/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
1,2-Dichloroethane-d4	52.9		50.0	106	86-117
Toluene-d8	50.6		50.0	101	85-113
4-Bromofluorobenzene	49.6		50.0	99.3	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
1,1-Dichloroethene	57.0		1.0	50.0	0.6	113	72-134	3.19	21
Benzene	51.6		1.0	50.0	0.6	102	79-122	1.28	16
Trichloroethene	53.6		1.0	50.0	0.8	106	79-126	1.14	14
Toluene	53.4		1.0	50.0	1.6	104	81-122	0.46	13
Chlorobenzene	52.6		1.0	50.0	0.6	104	82-121	1.38	10



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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B0B0401

Sample Type: Liquid

Blank (B0B0401-BLK1)

Prepared: 2/4/2020 Analyzed: 2/14/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0



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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B0B0401

Sample Type: Liquid

LCS (B0B0401-BS1)

Prepared: 2/4/2020 Analyzed: 2/14/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	%REC Limits
Aluminum	961		100	1,000	96.1	75-125
Barium	1,860		10.0	2,000	92.9	75-125
Beryllium	46.9		5.0	50.0	93.8	75-125
Cadmium	44.2		5.0	50.0	88.3	75-125
Calcium	91,500		150	100,000	91.5	75-125
Chromium	371		10.0	400	92.9	75-125
Cobalt	178		20.0	200	89.0	75-125
Copper	373		20.0	400	93.3	75-125
Iron	929		25.0	1,000	92.9	75-125
Magnesium	92,700		150	100,000	92.7	75-125
Manganese	366		5.0	400	91.5	75-125
Nickel	353		20.0	400	88.2	75-125
Potassium	98,500		1,000	100,000	98.5	75-125
Silver	42.9		10.0	50.0	85.8	75-125
Sodium	95,500		500	100,000	95.5	75-125
Vanadium	393		20.0	400	98.2	75-125
Zinc	896		20.0	1,000	89.6	75-125



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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B0B0401

Sample Type: Liquid

Matrix Spike (B0B0401-MS1)

Source: 2001015-24

Prepared: 2/4/2020 Analyzed: 2/14/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Aluminum	989		100	1,000	6.6	98.3	75-125
Barium	2,140		10.0	2,000	329	90.6	75-125
Beryllium	46.6		5.0	50.0		93.2	75-125
Cadmium	42.0		5.0	50.0		84.1	75-125
Calcium	165,000		150	100,000	79,900	85.4	75-125
Chromium	377		10.0	400	8.0	92.2	75-125
Cobalt	175		20.0	200	0.4	87.3	75-125
Copper	375		20.0	400	4.3	92.7	75-125
Iron	939		25.0	1,000	17.0	92.2	75-125
Magnesium	101,000		150	100,000	8,630	92.3	75-125
Manganese	368		5.0	400	7.0	90.2	75-125
Nickel	349		20.0	400	3.9	86.3	75-125
Potassium	102,000		1,000	100,000	1,360	100	75-125
Silver	44.1		10.0	50.0		88.1	75-125
Sodium	122,000		500	100,000	27,300	95.1	75-125
Vanadium	391		20.0	400	3.4	96.9	75-125
Zinc	896		20.0	1,000	8.8	88.7	75-125



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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B0B0401

Sample Type: Liquid

Matrix Spike Dup (B0B0401-MSD1)

Source: 2001015-24

Prepared: 2/4/2020 Analyzed: 2/14/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
Aluminum	994		100	1,000	6.6	98.7	75-125	0.44	20
Barium	2,150		10.0	2,000	329	90.9	75-125	0.37	20
Beryllium	46.9		5.0	50.0		93.9	75-125	0.75	20
Cadmium	41.1		5.0	50.0		82.2	75-125	2.23	20
Calcium	166,000		150	100,000	79,900	86.1	75-125	0.43	20
Chromium	379		10.0	400	8.0	92.9	75-125	0.73	20
Cobalt	175		20.0	200	0.4	87.3	75-125	0.04	20
Copper	376		20.0	400	4.3	93.0	75-125	0.31	20
Iron	946		25.0	1,000	17.0	92.9	75-125	0.69	20
Magnesium	102,000		150	100,000	8,630	93.3	75-125	0.98	20
Manganese	371		5.0	400	7.0	90.9	75-125	0.72	20
Nickel	350		20.0	400	3.9	86.6	75-125	0.35	20
Potassium	103,000		1,000	100,000	1,360	101	75-125	1.03	20
Silver	44.1		10.0	50.0		88.3	75-125	0.18	20
Sodium	123,000		500	100,000	27,300	95.9	75-125	0.65	20
Vanadium	394		20.0	400	3.4	97.7	75-125	0.84	20
Zinc	892		20.0	1,000	8.8	88.3	75-125	0.41	20



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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B0B0401

Sample Type: Liquid

Matrix Spike (B0B0401-MS2)

Source: 2001017-09

Prepared: 2/4/2020 Analyzed: 2/14/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Aluminum	988		100	1,000		98.8	75-125
Barium	2,400		10.0	2,000	571	91.3	75-125
Beryllium	47.5		5.0	50.0		94.9	75-125
Cadmium	42.5		5.0	50.0		85.0	75-125
Calcium	227,000		150	100,000	141,000	85.2	75-125
Chromium	375		10.0	400		93.7	75-125
Cobalt	179		20.0	200	2.4	88.2	75-125
Copper	382		20.0	400	2.1	94.9	75-125
Iron	19,300		25.0	1,000	19,300	1.70 #	75-125
Magnesium	110,000		150	100,000	16,300	93.9	75-125
Manganese	1,530		5.0	400	1,200	82.2	75-125
Nickel	354		20.0	400	5.8	87.1	75-125
Potassium	115,000		1,000	100,000	9,190	105	75-125
Silver	43.1		10.0	50.0		86.3	75-125
Sodium	161,000		500	100,000	63,600	97.3	75-125
Vanadium	394		20.0	400	2.2	98.1	75-125
Zinc	892		20.0	1,000	8.5	88.3	75-125



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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B0B0401

Sample Type: Liquid

Matrix Spike Dup (B0B0401-MSD2)

Source: 2001017-09

Prepared: 2/4/2020 Analyzed: 2/14/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Aluminum	968		100	1,000		96.8 75-125	2.14	20
Barium	2,390		10.0	2,000	571	90.9 75-125	0.36	20
Beryllium	47.0		5.0	50.0		94.1 75-125	0.87	20
Cadmium	42.0		5.0	50.0		83.9 75-125	1.30	20
Calcium	230,000		150	100,000	141,000	88.4 75-125	1.38	20
Chromium	369		10.0	400		92.3 75-125	1.52	20
Cobalt	177		20.0	200	2.4	87.4 75-125	0.92	20
Copper	377		20.0	400	2.1	93.6 75-125	1.30	20
Iron	19,800		25.0	1,000	19,300	51.7 # 75-125	2.56	20
Magnesium	110,000		150	100,000	16,300	94.1 75-125	0.13	20
Manganese	1,550		5.0	400	1,200	87.1 75-125	1.26	20
Nickel	352		20.0	400	5.8	86.6 75-125	0.49	20
Potassium	115,000		1,000	100,000	9,190	106 75-125	0.41	20
Silver	42.8		10.0	50.0		85.6 75-125	0.75	20
Sodium	162,000		500	100,000	63,600	98.1 75-125	0.51	20
Vanadium	393		20.0	400	2.2	97.6 75-125	0.48	20
Zinc	881		20.0	1,000	8.5	87.3 75-125	1.18	20



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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B0B0402

Sample Type: Liquid

Blank (B0B0402-BLK1)

Prepared: 2/4/2020 Analyzed: 2/12/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		5.0
Arsenic	U		10.0
Lead	U		5.0
Selenium	U		25.0
Thallium	U		5.0



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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B0B0402

Sample Type: Liquid

LCS (B0B0402-BS1)

Prepared: 2/4/2020 Analyzed: 2/12/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
Antimony	206		5.0	200	103	85-115
Arsenic	211		10.0	200	105	85-115
Lead	206		5.0	200	103	85-115
Selenium	216		25.0	200	108	85-115
Thallium	204		5.0	200	102	85-115



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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B0B0402

Sample Type: Liquid

Matrix Spike (B0B0402-MS1)

Source: 2001015-24

Prepared: 2/4/2020 Analyzed: 2/12/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Antimony	220		5.0	200	6.9	107	70-130
Arsenic	218		10.0	200		109	70-130
Lead	211		5.0	200	0.3	105	70-130
Selenium	233		25.0	200	0.6	116	70-130
Thallium	204		5.0	200	0.2	102	70-130



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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B0B0402

Sample Type: Liquid

Matrix Spike Dup (B0B0402-MSD1)

Source: 2001015-24

Prepared: 2/4/2020 Analyzed: 2/12/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
Antimony	223		5.0	200	6.9	108	70-130	1.48	20
Arsenic	219		10.0	200		109	70-130	0.39	20
Lead	210		5.0	200	0.3	105	70-130	0.16	20
Selenium	229		25.0	200	0.6	114	70-130	1.98	20
Thallium	203		5.0	200	0.2	101	70-130	0.79	20



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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B0B0402

Sample Type: Liquid

Matrix Spike (B0B0402-MS2)

Source: 2001017-09

Prepared: 2/4/2020 Analyzed: 2/12/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Antimony	217		5.0	200	0.6	108	70-130
Arsenic	375		10.0	200	158	108	70-130
Lead	211		5.0	200	0.1	106	70-130
Selenium	226		25.0	200	1.7	112	70-130
Thallium	204		5.0	200	0.2	102	70-130



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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B0B0402

Sample Type: Liquid

Matrix Spike Dup (B0B0402-MSD2)

Source: 2001017-09

Prepared: 2/4/2020 Analyzed: 2/12/2020

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
Antimony	216		5.0	200	0.6	107	70-130	0.75	20
Arsenic	371		10.0	200	158	107	70-130	1.04	20
Lead	209		5.0	200	0.1	104	70-130	1.30	20
Selenium	226		25.0	200	1.7	112	70-130	0.09	20
Thallium	202		5.0	200	0.2	101	70-130	1.22	20



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SURROGATE SUMMARY REPORT

VOA CLP Low Level

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
2001021-01	90.6	93.8	93.3
2001021-02	93.2	95.1	97.5
2001021-03	92.5	91.9	86.7
2001021-04	95.1	98.2	98.1
2001021-05	102	96.7	86.9
2001021-06	93.6	89.0	83.6
2001021-07	96.3	93.0	92.0
2001021-08	96.6	96.5	94.4
2001021-09	89.1	92.0	89.5
2001021-10	93.8	91.7	95.0
2001021-11	97.3	92.8	95.6
2001021-12	101	97.6	89.5
2001021-13	100	95.6	87.8
2001021-14	101	101	96.6
2001021-15	87.7	86.9	88.7
2001021-16	100	95.1	86.4
2001021-17	101	93.6	86.9
2001021-18	99.5	99.3	94.6
2001021-19	97.7	92.1	81.3
2001021-20	97.4	92.9	88.6
2001021-21	104	97.1	93.1
2001021-22	98.8	99.1	95.1
2001021-23	91.4	90.0	82.3
2001021-24	94.9	96.4	91.8
2001021-25	95.8	93.6	86.5
2001021-26	104	98.5	91.6
B0A3102-BLK1	91.8	92.0	88.7
B0A3102-BLK2	99.8	99.7	95.8
B0A3102-BS1	89.9	94.5	95.4
B0A3102-BS2	98.4	100	96.4
B0A3102-MS1	104	97.3	92.9
B0A3102-MS2	99.6	100	92.6
B0A3102-MSD1	90.8	90.6	91.4
B0A3102-MSD2	93.7	94.0	93.4



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SURROGATE SUMMARY REPORT

VOA CLP Low Level

			<u>QC LIMITS</u>
1,2-DCE-d4	=	1,2-Dichloroethane-d4	86 - 117
TOL-d8	=	Toluene-d8	85 - 113
4-BFB	=	4-Bromofluorobenzene	73 - 115

VOA CLP Low Level (E)

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
2001015-01	96.4	95.9	93.9
2001015-02	105	101	99.7
2001015-03	101	99.8	99.3
2001015-04	105	101	101
2001015-05	103	96.2	95.7
2001015-06	104	97.7	96.4
2001015-07	106	100	97.8
2001015-08	104	97.3	97.0
2001015-09	104	96.8	95.8
2001015-10	101	94.8	93.6
2001015-11	105	99.7	98.6
2001015-12	102	95.6	95.3
2001015-13	103	102	98.8
2001015-14	103	102	99.5
2001015-15	105	101	97.9
2001015-17	99.5	96.0	94.0
2001015-21	105	105	101
2001015-23	99.4	94.8	92.8
2001015-25	98.7	98.2	95.1
2001015-27	96.9	96.7	92.8
2001015-29	102	98.7	95.2
2001017-01	102	101	97.2
2001017-02	100	98.4	95.3
2001017-03	102	99.6	96.2
2001017-04	104	100	96.7
2001017-05	102	100	95.2
2001017-06	102	97.8	95.1
2001017-08	99.6	98.7	96.2



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SURROGATE SUMMARY REPORT

VOA CLP Low Level (E)

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
2001017-10	98.5	96.6	91.3
2001017-11	102	101	94.7
2001017-12	102	99.9	93.8
2001017-14	106	104	100
2001017-15	102	103	98.7
2001017-16	104	104	98.7
2001017-22	109	99.9	96.5
2001017-23	105	95.7	92.8
2001017-25	99.3	98.0	94.2
2001017-26	105	102	97.6
2001017-27	99.8	98.8	93.5
B0B0503-BLK1	101	97.6	94.2
B0B0503-BLK2	99.2	99.0	96.7
B0B0503-BLK3	101	95.7	93.5
B0B0503-BS1	100	99.3	99.1
B0B0503-BS2	99.4	99.8	99.7
B0B0503-BS3	103	105	103
B0B0503-MS1	105	96.8	95.8
B0B0503-MS2	102	98.4	96.8
B0B0503-MSD1	103	97.5	95.8
B0B0503-MSD2	106	101	99.3

QC LIMITS

1,2-DCE-d4	=	1,2-Dichloroethane-d4	86 - 117
TOL-d8	=	Toluene-d8	85 - 113
4-BFB	=	4-Bromofluorobenzene	73 - 115



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Qualifiers

UJ	The analyte was not detected at or above the reported value. The reporting limit is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
FB	Field Blank Related - The concentration found in the sample was less than 10X the concentration found in the associated field, trip, or equipment blank. Presence in the sample is therefore suspect.
B	Blank Related - The concentration found in the sample was less than 10X the concentration found in the associated extraction, digestion and/or analysis blank. Presence in the sample is therefore suspect.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
HTT	The TCLP procedure in method 1311 was performed outside the recommended holding time.
U	The analyte was not detected at or above the reporting limit.

Abbreviations and Symbols

ABN	Acid Base Neutrals (Semivolatile Compounds)
AES	Atomic Emission Spectrometer
BS	Blank Spike
CVAA	Cold Vapor Atomic Absorption
DCB	Decachlorobiphenyl
ECD	Electron Capture Detector
GC	Gas Chromatograph
ICP	Inductively Coupled Plasma
ISTD	Internal Standard
LCS	Laboratory Control Sample
MS	Mass Spectrometer
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	Not Applicable



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

NPD	Nitrogen Phosphorous Detector
NR	Not Reported
PCB	Polychlorinatedbiphenyl
RL	Reporting Limit
RT	Retention Time
RPD	Relative Percent Difference
TCLP	Toxicity Characteristic Leaching Procedure
TCMX	Tetrachloro-meta-xylene
VOA	Volatile Organic Analysis
#	Out of QC limits
>LR	The result was greater than the linear range.

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

Page 1 of 3

USEPA CLP COC (LAB COPY)

Date Shipped: 1/28/2020

CarrierName: FedEx

AirbillNo: 7776 2011 1649

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012820-082039-0005

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
CMT-02-02		Groundwater/ Will Ganter	Grab	VOA(35)	402 (pH<2 HCl Ice to 4C), 403 (pH<2 HCl Ice to 4C), 404 (pH<2 HCl Ice to 4C) (3)	CMT-02-02	01/27/2020 14:50	
CMT-02-03		Groundwater/ Will Ganter	Grab	VOA(35)	405 (pH<2 HCl Ice to 4C), 406 (pH<2 HCl Ice to 4C), 407 (pH<2 HCl Ice to 4C) (3)	CMT-02-03	01/27/2020 15:20	
CMT-02-04		Groundwater/ Will Ganter	Grab	VOA(35)	408 (pH<2 HCl Ice to 4C), 409 (pH<2 HCl Ice to 4C), 410 (pH<2 HCl Ice to 4C) (3)	CMT-02-04	01/27/2020 15:50	
CMT-02-05		Groundwater/ Will Ganter	Grab	VOA(35)	411 (pH<2 HCl Ice to 4C), 412 (pH<2 HCl Ice to 4C), 413 (pH<2 HCl Ice to 4C) (3)	CMT-02-05	01/27/2020 16:20	
CMT-03-01		Groundwater/ Will Ganter	Grab	VOA(35)	420 (pH<2 HCl Ice to 4C), 421 (pH<2 HCl Ice to 4C), 422 (pH<2 HCl Ice to 4C) (3)	CMT-03-01	01/28/2020 09:15	
CMT-03-02		Groundwater/ Will Ganter	Grab	VOA(35)	423 (pH<2 HCl Ice to 4C), 424 (pH<2 HCl Ice to 4C), 425 (pH<2 HCl Ice to 4C) (3)	CMT-03-02	01/28/2020 09:30	
CMT-03-03		Groundwater/ Will Ganter	Grab	VOA(35)	426 (pH<2 HCl Ice to 4C), 427 (pH<2 HCl Ice to 4C), 428 (pH<2 HCl Ice to 4C) (3)	CMT-03-03	01/28/2020 10:00	
CMT-03-04		Groundwater/ Will Ganter	Grab	VOA(35)	429 (pH<2 HCl Ice to 4C), 430 (pH<2 HCl Ice to 4C), 431 (pH<2 HCl Ice to 4C) (3)	CMT-03-04	01/28/2020 10:20	
CMT-03-05		Groundwater/ Will Ganter	Grab	VOA(35)	432 (pH<2 HCl Ice to 4C), 433 (pH<2 HCl Ice to 4C), 434 (pH<2 HCl Ice to 4C) (3)	CMT-03-05	01/28/2020 10:40	

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/28/2020 1800	FedEx Michael Reintz (EPA)	1/28/2020 1800 1/29/2020 9:00	Temp Blank = 20C

USEPA CLP COC (LAB COPY)

Date Shipped: 1/28/2020

Carrier Name: FedEx

Airbill No: 7776 2011 1649

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012820-082039-0005

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-963-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
CMT-04-02		Groundwater/ Will Ganter	Grab	VOA(35)	444 (pH<2 HCl Ice to 4C), 445 (pH<2 HCl Ice to 4C), 446 (pH<2 HCl Ice to 4C) (3)	CMT-04-02	01/28/2020 14:00	
CMT-04-03		Groundwater/ Will Ganter	Grab	VOA(35)	447 (pH<2 HCl Ice to 4C), 448 (pH<2 HCl Ice to 4C), 449 (pH<2 HCl Ice to 4C) (3)	CMT-04-03	01/28/2020 14:20	
CMT-04-04		Groundwater/ Will Ganter	Grab	VOA(35)	450 (pH<2 HCl Ice to 4C), 451 (pH<2 HCl Ice to 4C), 452 (pH<2 HCl Ice to 4C) (3)	CMT-04-04	01/28/2020 14:40	
CMT-04-05		Groundwater/ Will Ganter	Grab	VOA(35)	453 (pH<2 HCl Ice to 4C), 454 (pH<2 HCl Ice to 4C), 455 (pH<2 HCl Ice to 4C) (3)	CMT-04-05	01/28/2020 15:00	
CMT-04-06		Groundwater/ Will Ganter	Grab	VOA(35)	456 (pH<2 HCl Ice to 4C), 457 (pH<2 HCl Ice to 4C), 458 (pH<2 HCl Ice to 4C) (3)	CMT-04-06	01/28/2020 15:20	
ER-1		Water/ Will Ganter	Grab	VOA(35)	401 (pH<2 HCl Ice to 4C) (3)	ER-1	01/27/2020 17:30	
ER-2		Water/ Will Ganter	Grab	VOA(35)	403 (pH<2 HCl Ice to 4C) (3)	ER-2	01/28/2020 17:00	
MW-23		Groundwater/ Jacob Meirner	Grab	VOA(35)	254 (pH<2 HCl Ice to 4C), 255 (pH<2 HCl Ice to 4C), 256 (pH<2 HCl Ice to 4C) (3)	MW-23	01/27/2020 14:35	
MW-24		Groundwater/ Jacob Meirner	Grab	VOA(35)	264 (pH<2 HCl Ice to 4C), 265 (pH<2 HCl Ice to 4C), 266 (pH<2 HCl Ice to 4C), 267 (pH<2 HCl Ice to 4C), 268 (pH<2 HCl Ice to 4C), 269 (pH<2 HCl Ice to 4C), 270 (pH<2 HCl Ice to 4C), 271 (pH<2 HCl Ice to 4C), 272 (pH<2 HCl Ice to 4C) (9)	MW-24	01/28/2020 12:00	

Sample(s) to be used for Lab QC: MW-24 Tag 264, MW-24 Tag 265, MW-24 Tag 266, MW-24 Tag 267, MW-24 Tag 268, MW-24 Tag 269, MW-24 Tag 270, MW-24 Tag 271, MW-24 Tag 272

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/28/2020 18:00	FedEx Mikhail Fentits (EPA)	1/28/2020 18:00 1/29/2020 9:60	Temp Blank = 2°C

USEPA CLP COC (LAB COPY)

DateShipped: 1/28/2020

CarrierName: FedEx

AirbillNo: 7776 2011 1649

CHAIN OF CUSTODY RECORD

Case #

Cooler #:

No: 6-012820-082039-0005

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

[illegible]

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key: VOA=VOA	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/28/2020 1500	FedEx Michael J. Fiedtke (EPA)	1/28/2020 1500 1/29/2020 9:00	Temp Blank 20C

USEPA CLP COC (LAB COPY)

DateShipped: 1/28/2020

CarrierName: FedEx

AirbillNo: 7776 2012 2657

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012820-082543-0006

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ER-1-F		Water/ Will Ganter	Grab	Diss Metals(35)	402 (pH<2 HNO3 Ice to 4C) (1)	ER-1-F	01/27/2020 17:30	
ER-2-F		Water/	Grab	Diss Metals(35)	404 (pH<2 HNO3 Ice to 4C) (1)	ER-2-F	01/28/2020 17:00	
MW-22-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	243 (pH<2 HNO3 Ice to 4C) (1)	MW-22-F	01/28/2020 15:30	
MW-22-F-DUP		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	253 (pH<2 HNO3 Ice to 4C) (1)	MW-22-F-DUP	01/28/2020 15:30	
MW-23-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	257 (pH<2 HNO3 Ice to 4C) (1)	MW-23-F	01/27/2020 14:35	
MW-24-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	273 (pH<2 HNO3 Ice to 4C), 274 (pH<2 HNO3 Ice to 4C) (2)	MW-24-F	01/28/2020 12:00	
MW-7-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	184 (pH<2 HNO3 Ice to 4C) (1)	MW-7-F	01/27/2020 16:10	
MW-9-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	213 (pH<2 HNO3 Ice to 4C) (1)	MW-9-F	01/28/2020 09:55	

Sample(s) to be used for Lab QC: MW-24-F Tag 273, MW-24-F Tag 274

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: Diss Metals=Dissolved metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/28/2020 1:50	FedEx	1/28/2020 1:50	Temp Blank = 20C
			Muhaly Teitts (EPA)	1/29/2020 9:00	

USEPA CLP COC (LAB COPY)

DateShipped: 1/29/2020

CarrierName: FedEx

AirbillNo: 7776 3638 9077

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012920-130041-0008

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-20-DUP		Groundwater/ Jacob Meimerts	Grab	VOA(35)	220 (pH<2 HCl Ice to 4C), 221 (pH<2 HCl Ice to 4C), 222 (pH<2 HCl Ice to 4C) (3)	MW-20-DUP	01/29/2020 11:55	
CMT-05-01		Groundwater/ Will Ganter	Grab	VOA(35)	462 (pH<2 HCl Ice to 4C), 463 (pH<2 HCl Ice to 4C), 464 (pH<2 HCl Ice to 4C) (3)	CMT-05-01	01/29/2020 08:40	
CMT-05-02		Groundwater/ Will Ganter	Grab	VOA(35)	465 (pH<2 HCl Ice to 4C), 466 (pH<2 HCl Ice to 4C), 467 (pH<2 HCl Ice to 4C) (3)	CMT-05-02	01/29/2020 09:00	
CMT-05-03		Groundwater/ Will Ganter	Grab	VOA(35)	468 (pH<2 HCl Ice to 4C), 469 (pH<2 HCl Ice to 4C), 470 (pH<2 HCl Ice to 4C) (3)	CMT-05-03	01/29/2020 09:20	
CMT-05-04		Groundwater/ Will Ganter	Grab	VOA(35)	471 (pH<2 HCl Ice to 4C), 472 (pH<2 HCl Ice to 4C), 473 (pH<2 HCl Ice to 4C) (3)	CMT-05-04	01/29/2020 09:40	
CMT-05-05		Groundwater/ Will Ganter	Grab	VOA(35)	474 (pH<2 HCl Ice to 4C), 475 (pH<2 HCl Ice to 4C), 476 (pH<2 HCl Ice to 4C) (3)	CMT-05-05	01/29/2020 10:00	
CMT-05-06		Groundwater/ Will Ganter	Grab	VOA(35)	477 (pH<2 HCl Ice to 4C), 478 (pH<2 HCl Ice to 4C), 479 (pH<2 HCl Ice to 4C) (3)	CMT-05-06	01/29/2020 10:20	

Sample(s) to be used for Lab QC: MW-1 Tag 101, MW-1 Tag 102, MW-1 Tag 103, MW-1 Tag 104, MW-1 Tag 105, MW-1 Tag 106, MW-1 Tag 107, MW-1 Tag 108, MW-1 Tag 109

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/29/2020 1800	FedEx	1/29/2020 1800	Temp Blank = 10C.
			Mukund G. Fentile (EPA)	1/30/2020 9:15	

USEPA CLP COC (LAB COPY)

DateShipped: 1/29/2020

CarrierName: FedEx

AirbillNo: 7776 3638 9077

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012920-130041-0008

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-1		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	101 (pH<2 HCl Ice to 4C), 102 (pH<2 HCl Ice to 4C), 103 (pH<2 HCl Ice to 4C), 104 (pH<2 HCl Ice to 4C), 105 (pH<2 HCl Ice to 4C), 106 (pH<2 HCl Ice to 4C), 107 (pH<2 HCl Ice to 4C), 108 (pH<2 HCl Ice to 4C), 109 (pH<2 HCl Ice to 4C) (9)	MW-1	01/29/2020 09:05	
MW-2		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	118 (pH<2 HCl Ice to 4C), 119 (pH<2 HCl Ice to 4C), 120 (pH<2 HCl Ice to 4C) (3)	MW-2	01/29/2020 10:35	
MW-20		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	220 (pH<2 HCl Ice to 4C), 221 (pH<2 HCl Ice to 4C), 222 (pH<2 HCl Ice to 4C) (3)	MW-20	01/29/2020 11:55	
MW-22		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	240 (pH<2 HCl Ice to 4C), 241 (pH<2 HCl Ice to 4C), 242 (pH<2 HCl Ice to 4C) (3)	MW-22	01/28/2020 15:30	
MW-22-DUP		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	250 (pH<2 HCl Ice to 4C), 251 (pH<2 HCl Ice to 4C), 252 (pH<2 HCl Ice to 4C) (3)	MW-22-DUP	01/28/2020 15:30	

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Sample(s) to be used for Lab QC: MW-1 Tag 109

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/29/2020 1800	FedEx	1/29/2020 1800	Temp Blank =
			Mikhail Tretitskiy (EPA)	1/30/2020 9:15	1°C.

USEPA CLP COC (LAB COPY)

Date Shipped: 1/29/2020

Carrier Name: FedEx

Airbill No: 7776 3638 9077

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012920-130041-0008

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-2-DUP		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	128 (pH<2 HCl Ice to 4C), 129 (pH<2 HCl Ice to 4C), 130 (pH<2 HCl Ice to 4C) (3)	MW-2-DUP	01/29/2020 10:35	
MW-6		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	167 (pH<2 HCl Ice to 4C), 168 (pH<2 HCl Ice to 4C), 169 (pH<2 HCl Ice to 4C) (3)	MW-6	01/29/2020 11:30	
MW-6-DUP		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	177 (pH<2 HCl Ice to 4C), 178 (pH<2 HCl Ice to 4C), 179 (pH<2 HCl Ice to 4C) (3)	MW-6-DUP	01/29/2020 11:30	
SVE-02		Groundwater/ Maria Briceno	Grab	VOA(35)	300 (pH<2 HCl Ice to 4C), 301 (pH<2 HCl Ice to 4C), 302 (pH<2 HCl Ice to 4C) (3)	SVE-02	01/29/2020 10:08	
SVE-10		Groundwater/ Maria Briceno	Grab	VOA(35)	336 (pH<2 HCl Ice to 4C), 337 (pH<2 HCl Ice to 4C), 338 (pH<2 HCl Ice to 4C) (3)	SVE-10	01/29/2020 11:25	
TB-2		Groundwater/ Melissa Hughes	Grab	VOA(35)	633 (pH<2 HCl Ice to 4C), 634 (pH<2 HCl Ice to 4C), 635 (pH<2 HCl Ice to 4C) (3)	TB-2	01/28/2020 07:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/29/2020 1800	FedEx	1/29/2020 1500	Temp Blank =
			Muhammad J. Fawcett (EPA)	1/30/2020 9:15	1°C.

USEPA CLP COC (LAB COPY)

DateShipped: 1/29/2020

CarrierName: FedEx

AirbillNo: 7776 3641 2208

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-012920-130336-0009

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2110

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-3-F-DUP		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	401 (pH<2 HNO3 Ice to 4C) (1)	MW-3-F-DUP	01/29/2020 14:05	
ER-3-F		Water/ Will Ganter	Grab	Diss Metals(35)	406 (pH<2 HNO3 Ice to 4C) (1)	ER-3-F	01/29/2020 17:00	
MW-1-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	110 (pH<2 HNO3 Ice to 4C), 111 (pH<2 HNO3 Ice to 4C) (2)	MW-1-F	01/29/2020 09:05	
MW-20-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	223 (pH<2 HNO3 Ice to 4C) (1)	MW-20-F	01/29/2020 11:55	
MW-2-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	121 (pH<2 HNO3 Ice to 4C) (1)	MW-2-F	01/29/2020 10:35	
MW-3-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	140 (pH<2 HNO3 Ice to 4C) (1)	MW-3-F	01/29/2020 14:05	
MW-4-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	150 (pH<2 HNO3 Ice to 4C) (1)	MW-4-F	01/29/2020 15:30	
MW-5-F		Groundwater/ Will Ganter	Grab	Diss Metals(35)	160 (pH<2 HNO3 Ice to 4C) (1)	MW-5-F	01/29/2020 15:15	
MW-6-F		Groundwater/ Jacob Meirnerts	Grab	Diss Metals(35)	170 (pH<2 HNO3 Ice to 4C) (1)	MW-6-F	01/29/2020 11:30	

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Sample(s) to be used for Lab QC: MW-1-F Tag 110, MW-1-F Tag 111

Analysis Key: Diss Metals=Dissolved metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	1/29/2020 1:00	FedEx	1/29/2020 1:00	Temp Blank = 10 C
			Muhammad Fertitta (EPA)	1/30/2020 9:15	

Page 1 of 3

USEPA CLP COC (LAB COPY)

Date Shipped: 1/30/2020

Carrier Name: FedEx

Airbill No: 7776 4637 9066

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-013020-114353-0011

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
CMT-01-01		Groundwater/ Will Ganter	Grab	VOA(35)	381 (pH<2 HCl Ice to 4C), 382 (pH<2 HCl Ice to 4C), 383 (pH<2 HCl Ice to 4C) (3)	CMT-01-01	01/30/2020 08:30	
CMT-01-02		Groundwater/ Will Ganter	Grab	VOA(35)	384 (pH<2 HCl Ice to 4C), 385 (pH<2 HCl Ice to 4C), 386 (pH<2 HCl Ice to 4C) (3)	CMT-01-02	01/30/2020 08:50	
CMT-01-04		Groundwater/ Will Ganter	Grab	VOA(35)	387 (pH<2 HCl Ice to 4C), 388 (pH<2 HCl Ice to 4C), 389 (pH<2 HCl Ice to 4C) (3)	CMT-01-04	01/30/2020 09:10	
CMT-01-05		Groundwater/ Will Ganter	Grab	VOA(35)	390 (pH<2 HCl Ice to 4C), 391 (pH<2 HCl Ice to 4C), 392 (pH<2 HCl Ice to 4C) (3)	CMT-01-05	01/30/2020 09:30	
CMT-01-06		Groundwater/ Will Ganter	Grab	VOA(35)	393 (pH<2 HCl Ice to 4C), 394 (pH<2 HCl Ice to 4C), 395 (pH<2 HCl Ice to 4C) (3)	CMT-01-06	01/30/2020 09:50	
ER-3		Water/ Will Ganter	Grab	VOA(35)	405 (pH<2 HCl Ice to 4C) (3)	ER-3	01/29/2020 17:00	
MW-3		Groundwater/ Jacob Meimerts	Grab	VOA(35)	137 (pH<2 HCl Ice to 4C), 138 (pH<2 HCl Ice to 4C), 139 (pH<2 HCl Ice to 4C) (3)	MW-3	01/29/2020 14:05	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>Melissa Hughes EA</i>	01/30/2020 1800	<i>FedEx</i>	01/30/2020 1800	
			<i>Reuter J. J.</i>	1/31/2020 0850	Temp Blank: 2°C

Page 2 of 3

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Date Shipped: 1/30/2020

Carrier Name: FedEx

Airbill No: 7776 4637 9066

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-013020-114353-0011

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-4		Groundwater/ Jacob Meimerts	Grab	VOA(35)	147 (pH<2 HCl Ice to 4C), 148 (pH<2 HCl Ice to 4C), 149 (pH<2 HCl Ice to 4C) (3)	MW-4	01/29/2020 15:30	
MW-4-DUP		Groundwater/ Jacob Meimerts	Grab	VOA(35)	410 (pH<2 HCl Ice to 4C), 411 (pH<2 HCl Ice to 4C), 412 (pH<2 HCl Ice to 4C) (3)	MW-4-DUP	01/29/2020 15:30	
MW-5		Groundwater/ Will Ganter	Grab	VOA(35)	157 (pH<2 HCl Ice to 4C), 158 (pH<2 HCl Ice to 4C), 159 (pH<2 HCl Ice to 4C) (3)	MW-5	01/29/2020 15:15	
MW-5-DUP		Groundwater/ Will Ganter	Grab	VOA(35)	201 (pH<2 HCl Ice to 4C), 202 (pH<2 HCl Ice to 4C), 203 (pH<2 HCl Ice to 4C) (3)	MW-5-DUP	01/29/2020 15:15	
SVE-05		Groundwater/ Maria Briceno	Grab	VOA(35)	312 (pH<2 HCl Ice to 4C), 313 (pH<2 HCl Ice to 4C), 314 (pH<2 HCl Ice to 4C), 315 (pH<2 HCl Ice to 4C), 316 (pH<2 HCl Ice to 4C), 317 (pH<2 HCl Ice to 4C), 318 (pH<2 HCl Ice to 4C), 319 (pH<2 HCl Ice to 4C), 320 (pH<2 HCl Ice to 4C) (9)	SVE-05	01/30/2020 09:48	

Sample(s) to be used for Lab QC: SVE-05 Tag 312, SVE-05 Tag 313, SVE-05 Tag 314, SVE-05 Tag 315, SVE-05 Tag 316, SVE-05 Tag 317, SVE-05 Tag 318, SVE-05 Tag 319, SVE-05 Tag 320

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	01/30/2020 1800	FedEx	01/30/2020 1800	
			Christy Warren	1-31-2020 0850	Temp Blank: 2°C

USEPA CLP COC (LAB COPY)

Date Shipped: 1/30/2020

Carrier Name: FedEx

Airbill No: 7776 4637 9066

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-013020-114353-0011

Lab: EPA Region 8 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SVE-06		Groundwater/ Jacob Meimerts	Grab	VOA(35)	321 (pH<2 HCl Ice to 4C), 322 (pH<2 HCl Ice to 4C), 323 (pH<2 HCl Ice to 4C) (3)	SVE-06	01/29/2020 17:00	
SVE-07		Groundwater/ Maria Briceño	Grab	VOA(35)	324 (pH<2 HCl Ice to 4C), 325 (pH<2 HCl Ice to 4C), 326 (pH<2 HCl Ice to 4C) (3)	SVE-07	01/30/2020 10:55	
SVE-11		Groundwater/ Will Ganter	Grab	VOA(35)	339 (pH<2 HCl Ice to 4C), 340 (pH<2 HCl Ice to 4C), 341 (pH<2 HCl Ice to 4C), 342 (pH<2 HCl Ice to 4C), 343 (pH<2 HCl Ice to 4C), 344 (pH<2 HCl Ice to 4C), 345 (pH<2 HCl Ice to 4C), 346 (pH<2 HCl Ice to 4C), 347 (pH<2 HCl Ice to 4C) (9)	SVE-11	01/29/2020 14:20	
TB-4		Groundwater/ Melissa Hughes	Grab	VOA(35)	633 (pH<2 HCl Ice to 4C), 634 (pH<2 HCl Ice to 4C), 635 (pH<2 HCl Ice to 4C) (3)	TB-4	01/30/2020 08:00	

Sample(s) to be used for Lab QC: SVE-11 Tag 339, SVE-11 Tag 340, SVE-11 Tag 341, SVE-11 Tag 342, SVE-11 Tag 343, SVE-11 Tag 344, SVE-11 Tag 345, SVE-11 Tag 346, SVE-11 Tag 347

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	01/30/2020 1800	FedEx	01/30/2020 1800	
			Nate Doherty	1-31-20 0850	Temp Blank: 2°C

USEPA CLP COC (LAB COPY)

Date Shipped: 1/30/2020

Carrier Name: FedEx

Airbill No: 7776 4636 4394

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-013020-114655-0012

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ER-4		Water/ Will Ganter	Grab	VOA(35)	407 (pH<2 HCl Ice to 4C) (3)	ER-4	01/30/2020 14:25	
MW-26		Groundwater/ Will Ganter	Grab	VOA(35)	294 (pH<2 HCl Ice to 4C), 295 (pH<2 HCl Ice to 4C), 296 (pH<2 HCl Ice to 4C) (3)	MW-26	01/30/2020 13:45	
SVE-01		Groundwater/ Jacob Meimerts	Grab	VOA(35)	297 (pH<2 HCl Ice to 4C), 298 (pH<2 HCl Ice to 4C), 299 (pH<2 HCl Ice to 4C) (3)	SVE-01	01/30/2020 10:15	
SVE-03		Groundwater/ Jacob Meimerts	Grab	VOA(35)	303 (pH<2 HCl Ice to 4C), 304 (pH<2 HCl Ice to 4C), 305 (pH<2 HCl Ice to 4C) (3)	SVE-03	01/30/2020 09:15	
SVE-03-DUP		Groundwater/ Jacob Meimerts	Grab	VOA(35)	306 (pH<2 HCl Ice to 4C), 307 (pH<2 HCl Ice to 4C), 308 (pH<2 HCl Ice to 4C) (3)	SVE-03-DUP	01/30/2020 09:15	
SVE-04		Groundwater/ Jacob Meimerts	Grab	VOA(35)	309 (pH<2 HCl Ice to 4C), 310 (pH<2 HCl Ice to 4C), 311 (pH<2 HCl Ice to 4C) (3)	SVE-04	01/30/2020 15:15	
SVE-08		Groundwater/ Will Ganter	Grab	VOA(35)	327 (pH<2 HCl Ice to 4C), 328 (pH<2 HCl Ice to 4C), 329 (pH<2 HCl Ice to 4C) (3)	SVE-08	01/30/2020 13:50	

Special Instructions:

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	01/30/2020 1800	FedEx	01/30/2020 1800	
			Christy Warren	1/31/2020 0850	Tamp Blank. 2°C

AirbilNo: 7776 4636 4394

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-013020-114655-0012

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

[illegible]

Special Instructions:	Shipment for Case Complete? Y
	Samples Transferred From Chain of Custody #
Analysis Key: VOA=VOA	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	01/30/2020 1800	FedEx	01/30/2020 800	
			Amita Dwyer	1/3/2020 0850	Temp Blank: 2°C